



Performance



Accessibility



Best Practices



SEO



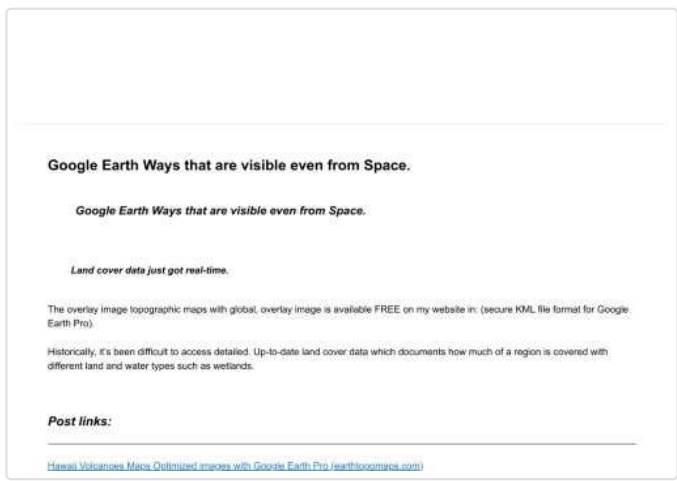
PWA



### Performance

Values are estimated and may vary. The [performance score is calculated](#) directly from these metrics. [See calculator.](#)

- ▲ 0–49
- 50–89
- 90–100



#### METRICS

Expand view

● First Contentful Paint  
**0.5 s**

● Total Blocking Time  
**10 ms**

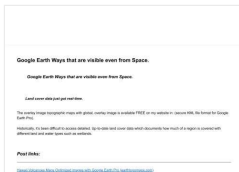
● Speed Index  
**0.5 s**

● Largest Contentful Paint  
**0.7 s**

● Cumulative Layout Shift  
**0**

[View Treemap](#)

<p>Google Earth Ways that are visible even from Space.</p> <p>Google Earth Ways that are visible even from Space.</p> <p>Land cover data just got real-time.</p> <p>The overlay image topographic maps with global, overlay image is available FREE on my website in: (secure KML file format for Google Earth Pro).</p> <p>Historically, it's been difficult to access detailed, Up-to-date land cover data which documents how much of a region is covered with different land and water types such as wetlands.</p> <p><b>Post links:</b></p> <p><a href="#">Hawaii Volcanoes Maps, Optimized images with Google Earth Pro (earthtopomaps.com)</a></p>	<p>Google Earth Ways that are visible even from Space.</p> <p>Google Earth Ways that are visible even from Space.</p> <p>Land cover data just got real-time.</p> <p>The overlay image topographic maps with global, overlay image is available FREE on my website in: (secure KML file format for Google Earth Pro).</p> <p>Historically, it's been difficult to access detailed, Up-to-date land cover data which documents how much of a region is covered with different land and water types such as wetlands.</p> <p><b>Post links:</b></p> <p><a href="#">Hawaii Volcanoes Maps, Optimized images with Google Earth Pro (earthtopomaps.com)</a></p>	<p>Google Earth Ways that are visible even from Space.</p> <p>Google Earth Ways that are visible even from Space.</p> <p>Land cover data just got real-time.</p> <p>The overlay image topographic maps with global, overlay image is available FREE on my website in: (secure KML file format for Google Earth Pro).</p> <p>Historically, it's been difficult to access detailed, Up-to-date land cover data which documents how much of a region is covered with different land and water types such as wetlands.</p> <p><b>Post links:</b></p> <p><a href="#">Hawaii Volcanoes Maps, Optimized images with Google Earth Pro (earthtopomaps.com)</a></p>	<p>Google Earth Ways that are visible even from Space.</p> <p>Google Earth Ways that are visible even from Space.</p> <p>Land cover data just got real-time.</p> <p>The overlay image topographic maps with global, overlay image is available FREE on my website in: (secure KML file format for Google Earth Pro).</p> <p>Historically, it's been difficult to access detailed, Up-to-date land cover data which documents how much of a region is covered with different land and water types such as wetlands.</p> <p><b>Post links:</b></p> <p><a href="#">Hawaii Volcanoes Maps, Optimized images with Google Earth Pro (earthtopomaps.com)</a></p>	<p>Google Earth Ways that are visible even from Space.</p> <p>Google Earth Ways that are visible even from Space.</p> <p>Land cover data just got real-time.</p> <p>The overlay image topographic maps with global, overlay image is available FREE on my website in: (secure KML file format for Google Earth Pro).</p> <p>Historically, it's been difficult to access detailed, Up-to-date land cover data which documents how much of a region is covered with different land and water types such as wetlands.</p> <p><b>Post links:</b></p> <p><a href="#">Hawaii Volcanoes Maps, Optimized images with Google Earth Pro (earthtopomaps.com)</a></p>	<p>Google Earth Ways that are visible even from Space.</p> <p>Google Earth Ways that are visible even from Space.</p> <p>Land cover data just got real-time.</p> <p>The overlay image topographic maps with global, overlay image is available FREE on my website in: (secure KML file format for Google Earth Pro).</p> <p>Historically, it's been difficult to access detailed, Up-to-date land cover data which documents how much of a region is covered with different land and water types such as wetlands.</p> <p><b>Post links:</b></p> <p><a href="#">Hawaii Volcanoes Maps, Optimized images with Google Earth Pro (earthtopomaps.com)</a></p>
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Show audits relevant to: **All** FCP LCP TBT CLS

DIAGNOSTICS

■ Serve static assets with an efficient cache policy — 1 resource found

A long cache lifetime can speed up repeat visits to your page. [Learn more about efficient cache policies.](#)

Read about [Browser Caching in WordPress.](#)

URL	Cache TTL	Transfer Size
earthtopomaps.com <span>1st Party</span>		3 KiB
...17.8.3/lazyload.min.js (earthtopomaps.com)	7d	3 KiB

○ Initial server response time was short — Root document took 120 ms

Keep the server response time for the main document short because all other requests depend on it. [Learn more about the Time to First Byte metric.](#) FCP LCP

Themes, plugins, and server specifications all contribute to server response time. Consider finding a more optimized theme, carefully selecting an optimization plugin, and/or upgrading your server.

URL	Time Spent
earthtopomaps.com <span>1st Party</span>	120 ms
https://earthtopomaps.com	120 ms

○ Avoids enormous network payloads — Total size was 44 KiB

Large network payloads cost users real money and are highly correlated with long load times. [Learn how to reduce payload sizes.](#) LCP

Consider showing excerpts in your post lists (e.g. via the more tag), reducing the number of posts shown on a given page, breaking your long posts into multiple pages, or using a plugin to

lazy-load comments.

Show 3rd-party resources (2)

URL	Transfer Size
earthtopomaps.com <span>1st Party</span>	<b>40.3 KiB</b>
https://earthtopomaps.com	35.8 KiB
...17.8.3/lazyload.min.js (earthtopomaps.com)	3.4 KiB
/superpwa-manifest.json (earthtopomaps.com)	1.1 KiB
WordPress Site Stats <span>Analytics</span>	<b>3.2 KiB</b>
/e-202402.js (stats.wp.com)	3.0 KiB
/g.gif?v=... (pixel.wp.com)	0.2 KiB

Avoids an excessive DOM size — 668 elements

A large DOM will increase memory usage, cause longer [style calculations](#), and produce costly [layout reflows](#). [Learn how to avoid an excessive DOM size.](#) TBT

Statistic	Element	Value
Total DOM Elements		668
Maximum DOM Depth	 <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>div.wp-lightbox-overlay &gt; button.close-button &gt; svg &gt; path</p> <pre>&lt;path d="M13 11.8l6.1-6.3-1-1-6.1 6.2-6.1-6.2-1 1 6.1 6.3-6.5 6.7 1 1 6.5-6.6 6.5 6..."&gt;</pre> </div> <div style="width: 45%; text-align: right;"> <p>11</p> </div> </div>	
Maximum Child Elements	 <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>Google Earth Ways that are visible even from Space. Land cover data just got r...</p> <pre>&lt;div class="entry-content" itemprop="mainEntityOfPage"&gt;</pre> </div> <div style="width: 45%; text-align: right;"> <p>377</p> </div> </div>	

JavaScript execution time — 0.0 s

Consider reducing the time spent parsing, compiling, and executing JS. You may find delivering smaller JS payloads helps with this. [Learn how to reduce Javascript execution time.](#) TBT

URL	Total CPU Time	Script Evaluation	Script Parse
earthtopomaps.com <span>1st Party</span>	203 ms	20 ms	5 ms
https://earthtopomaps.com	203 ms	20 ms	5 ms

○ Minimizes main-thread work — 0.2 s

Consider reducing the time spent parsing, compiling and executing JS. You may find delivering smaller JS payloads helps with this. [Learn how to minimize main-thread work](#) TBT

Category	Time Spent
Style & Layout	125 ms
Other	34 ms
Script Evaluation	29 ms
Parse HTML & CSS	27 ms
Rendering	7 ms
Script Parsing & Compilation	5 ms

○ Minimize third-party usage — Third-party code blocked the main thread for 0 ms

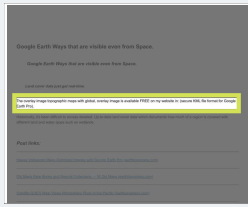
Third-party code can significantly impact load performance. Limit the number of redundant third-party providers and try to load third-party code after your page has primarily finished loading. [Learn how to minimize third-party impact.](#) TBT

Third-Party	Transfer Size	Main-Thread Blocking Time
WordPress Site Stats <span>Analytics</span>	3 KiB	0 ms
/e-202402.js (stats.wp.com)	3 KiB	0 ms
/g.gif?v=... (pixel.wp.com)	0 KiB	0 ms

○ Largest Contentful Paint element — 700 ms

This is the largest contentful element painted within the viewport. [Learn more about the Largest Contentful Paint element](#) LCP

Element



The overlay image topographic maps with global, overlay image is available FREE...

```
<p class="has-medium-font-size">
```

Phase	% of LCP	Timing
TTFB	40%	280 ms
Load Delay	0%	0 ms
Load Time	0%	0 ms
Render Delay	60%	420 ms

○ Avoid long main-thread tasks — 1 long task found

Lists the longest tasks on the main thread, useful for identifying worst contributors to input delay. [Learn how to avoid long main-thread tasks](#) TBT

URL	Start Time	Duration
earthtopomaps.com <span>1st Party</span>		<b>64 ms</b>
https://earthtopomaps.com	503 ms	64 ms

More information about the performance of your application. These numbers don't [directly affect](#) the Performance score.

PASSED AUDITS (28)

Hide

● Eliminate render-blocking resources

Resources are blocking the first paint of your page. Consider delivering critical JS/CSS inline and deferring all non-critical JS/styles. [Learn how to eliminate render-blocking resources.](#) FCP LCP

There are a number of WordPress plugins that can help you [inline critical assets](#) or [defer less important resources](#). Beware that optimizations provided by these plugins may break features of your theme or plugins, so you will likely need to make code changes.



Enable [Remove Unused CSS](#) and [Load JavaScript deferred](#) in 'WP Rocket' to address this recommendation. These features will respectively optimize the CSS and JavaScript files so that



they don't block the rendering of your page.

### ● Properly size images ^

Serve images that are appropriately-sized to save cellular data and improve load time. [Learn how to size images.](#)

Upload images directly through the [media library](#) to ensure that the required image sizes are available, and then insert them from the media library or use the image widget to ensure the optimal image sizes are used (including those for the responsive breakpoints). Avoid using Full Size images unless the dimensions are adequate for their usage. [Learn More.](#)



### ● Defer offscreen images ^

Consider lazy-loading offscreen and hidden images after all critical resources have finished loading to lower time to interactive. [Learn how to defer offscreen images.](#)

Install a [lazy-load WordPress plugin](#) that provides the ability to defer any offscreen images, or switch to a theme that provides that functionality. Also consider using [the AMP plugin](#).



Enable [LazyLoad](#) in WP Rocket to fix this recommendation. This feature delays the loading of the images until the visitor scrolls down the page and actually needs to see them.



### ● Minify CSS ^

Minifying CSS files can reduce network payload sizes. [Learn how to minify CSS.](#) FCP LCP

A number of [WordPress plugins](#) can speed up your site by concatenating, minifying, and compressing your styles. You may also want to use a build process to do this minification upfront if possible.



Enable [Minify CSS files](#) in 'WP Rocket' to fix this issue. Any spaces and comments in your site's CSS files will be removed to make the file size smaller and faster to download.



### ● Minify JavaScript ^

Minifying JavaScript files can reduce payload sizes and script parse time. [Learn how to minify JavaScript.](#) FCP LCP



A number of [WordPress plugins](#) can speed up your site by concatenating, minifying, and compressing your scripts. You may also want to use a build process to do this minification up front if possible.



Enable [Minify JavaScript files](#) in 'WP Rocket' to fix this issue. Empty spaces and comments will be removed from JavaScript files to make their size smaller and faster to download.

### ● Reduce unused CSS ^

Reduce unused rules from stylesheets and defer CSS not used for above-the-fold content to decrease bytes consumed by network activity. [Learn how to reduce unused CSS.](#) FCP LCP



Consider reducing, or switching, the number of [WordPress plugins](#) loading unused CSS in your page. To identify plugins that are adding extraneous CSS, try running [code coverage](#) in Chrome DevTools. You can identify the theme/plugin responsible from the URL of the stylesheet. Look out for plugins that have many stylesheets in the list which have a lot of red in code coverage. A plugin should only enqueue a stylesheet if it is actually used on the page.



Enable [Remove Unused CSS](#) in 'WP Rocket' to fix this issue. It reduces page size by removing all CSS and stylesheets that are not used while keeping only the used CSS for each page.

### ● Reduce unused JavaScript ^

Reduce unused JavaScript and defer loading scripts until they are required to decrease bytes consumed by network activity. [Learn how to reduce unused JavaScript.](#) LCP



Consider reducing, or switching, the number of [WordPress plugins](#) loading unused JavaScript in your page. To identify plugins that are adding extraneous JS, try running [code coverage](#) in Chrome DevTools. You can identify the theme/plugin responsible from the URL of the script. Look out for plugins that have many scripts in the list which have a lot of red in code coverage. A plugin should only enqueue a script if it is actually used on the page.



Enable [Delay JavaScript execution](#) in 'WP Rocket' to fix this problem. It will improve the loading of your page by delaying the execution of scripts until user interaction. If your site has iframes, you can use WP Rocket's [LazyLoad for iframes and videos](#) and [Replace YouTube iframe with preview image](#) as well.

### Efficiently encode images ^

Optimized images load faster and consume less cellular data. [Learn how to efficiently encode images.](#)



Consider using an [image optimization WordPress plugin](#) that compresses your images while retaining quality.



Enable 'Imagify' from the Image Optimization tab in 'WP Rocket' and run Bulk Optimization to compress your images.

### Serve images in next-gen formats ^

Image formats like WebP and AVIF often provide better compression than PNG or JPEG, which means faster downloads and less data consumption. [Learn more about modern image formats.](#)



Consider using the [Performance Lab](#) plugin to automatically convert your uploaded JPEG images into WebP, wherever supported.



Enable 'Imagify' from the Image Optimization tab in 'WP Rocket' to convert your images to WebP.

### Enable text compression ^

Text-based resources should be served with compression (gzip, deflate or brotli) to minimize total network bytes. [Learn more about text compression.](#) FCP LCP



You can enable text compression in your web server configuration.

### Preconnect to required origins ^

Consider adding preconnect or dns-prefetch resource hints to establish early connections to important third-party origins. [Learn how to preconnect to required origins.](#) FCP LCP



Use [Prefetch DNS Requests](#) in 'WP Rocket' to add "dns-prefetch" and speed up the connection with external domains. Also, 'WP Rocket' automatically adds "preconnect" to [Google Fonts domain](#) and any CNAME(S) added via the [Enable CDN](#) feature.



Avoid multiple page redirects ^

Redirects introduce additional delays before the page can be loaded. [Learn how to avoid page redirects.](#) FCP LCP

Preload key requests ^

Consider using `<link rel=preload>` to prioritize fetching resources that are currently requested later in page load. [Learn how to preload key requests.](#) FCP LCP



To fix this issue for fonts, enable [Remove Unused CSS](#) in 'WP Rocket'. Your site's critical fonts will be preloaded with priority.

Use video formats for animated content ^

Large GIFs are inefficient for delivering animated content. Consider using MPEG4/WebM videos for animations and PNG/WebP for static images instead of GIF to save network bytes. [Learn more about efficient video formats](#) LCP



Consider uploading your GIF to a service which will make it available to embed as an HTML5 video.

Remove duplicate modules in JavaScript bundles ^

Remove large, duplicate JavaScript modules from bundles to reduce unnecessary bytes consumed by network activity. TBT

Avoid serving legacy JavaScript to modern browsers ^

Polyfills and transforms enable legacy browsers to use new JavaScript features. However, many aren't necessary for modern browsers. For your bundled JavaScript, adopt a modern script deployment strategy using module/nomodule feature detection to reduce the amount of code shipped to modern browsers, while retaining support for legacy browsers. [Learn how to use modern JavaScript](#) TBT

Preload Largest Contentful Paint image ^

If the LCP element is dynamically added to the page, you should preload the image in order to improve LCP. [Learn more about preloading LCP elements.](#) LCP

Avoid chaining critical requests ^

The Critical Request Chains below show you what resources are loaded with a high priority. Consider reducing the length of chains, reducing the download size of resources, or deferring the download of unnecessary resources to improve page load. [Learn how to avoid chaining critical requests.](#) FCP

LCP

Maximum critical path latency: **234.15 ms**

*Initial Navigation*

 <https://earthtopomaps.com> - **234.15 ms, 35.82 KiB**

User Timing marks and measures ^

Consider instrumenting your app with the User Timing API to measure your app's real-world performance during key user experiences. [Learn more about User Timing marks.](#)

All text remains visible during webfont loads ^

Leverage the font-display CSS feature to ensure text is user-visible while webfonts are loading.

[Learn more about font-display.](#) FCP LCP

Lazy load third-party resources with facades ^

Some third-party embeds can be lazy loaded. Consider replacing them with a facade until they are required. [Learn how to defer third-parties with a facade.](#) TBT

Largest Contentful Paint image was not lazily loaded ^

Above-the-fold images that are lazily loaded render later in the page lifecycle, which can delay the largest contentful paint. [Learn more about optimal lazy loading.](#) LCP

Avoid large layout shifts ^

These DOM elements were most affected by layout shifts. Some layout shifts may not be included in the CLS metric value due to [windowing](#). [Learn how to improve CLS](#) CLS

<p><input checked="" type="radio"/> Uses passive listeners to improve scrolling performance <span>^</span></p> <p>Consider marking your touch and wheel event listeners as passive to improve your page's scroll performance. <a href="#">Learn more about adopting passive event listeners.</a></p>
<p><input checked="" type="radio"/> Avoids <code>document.write()</code> <span>^</span></p> <p>For users on slow connections, external scripts dynamically injected via <code>document.write()</code> can delay page load by tens of seconds. <a href="#">Learn how to avoid document.write()</a>.</p>
<p><input type="radio"/> Avoid non-composited animations <span>^</span></p> <p>Animations which are not composited can be janky and increase CLS. <a href="#">Learn how to avoid non-composited animations</a> <span>CLS</span></p>
<p><input checked="" type="radio"/> Image elements have explicit <code>width</code> and <code>height</code> <span>^</span></p> <p>Set an explicit width and height on image elements to reduce layout shifts and improve CLS. <a href="#">Learn how to set image dimensions</a> <span>CLS</span></p>
<p><input checked="" type="radio"/> Has a <code>&lt;meta name="viewport"&gt;</code> tag with <code>width</code> or <code>initial-scale</code> <span>^</span></p> <p>A <code>&lt;meta name="viewport"&gt;</code> not only optimizes your app for mobile screen sizes, but also prevents <a href="#">a 300 millisecond delay to user input</a>. <a href="#">Learn more about using the viewport meta tag.</a> <span>TBT</span></p>



Accessibility

These checks highlight opportunities to [improve the accessibility of your web app](#). Automatic detection can only detect a subset of issues and does not guarantee the accessibility of your web app, so [manual testing](#) is also encouraged.

ADDITIONAL ITEMS TO MANUALLY CHECK (10)

Hide

<input type="radio"/> Interactive controls are keyboard focusable <span>^</span>
Custom interactive controls are keyboard focusable and display a focus indicator. <a href="#">Learn how to make custom controls focusable</a> .
<input type="radio"/> Interactive elements indicate their purpose and state <span>^</span>
Interactive elements, such as links and buttons, should indicate their state and be distinguishable from non-interactive elements. <a href="#">Learn how to decorate interactive elements with affordance hints</a> .
<input type="radio"/> The page has a logical tab order <span>^</span>
Tabbing through the page follows the visual layout. Users cannot focus elements that are offscreen. <a href="#">Learn more about logical tab ordering</a> .
<input type="radio"/> Visual order on the page follows DOM order <span>^</span>
DOM order matches the visual order, improving navigation for assistive technology. <a href="#">Learn more about DOM and visual ordering</a> .
<input type="radio"/> User focus is not accidentally trapped in a region <span>^</span>
A user can tab into and out of any control or region without accidentally trapping their focus. <a href="#">Learn how to avoid focus traps</a> .
<input type="radio"/> The user's focus is directed to new content added to the page <span>^</span>
If new content, such as a dialog, is added to the page, the user's focus is directed to it. <a href="#">Learn how to direct focus to new content</a> .
<input type="radio"/> HTML5 landmark elements are used to improve navigation <span>^</span>
Landmark elements (<main>, <nav>, etc.) are used to improve the keyboard navigation of the page for assistive technology. <a href="#">Learn more about landmark elements</a> .

<input type="radio"/> Offscreen content is hidden from assistive technology <span style="float: right;">^</span>
Offscreen content is hidden with display: none or aria-hidden=true. <a href="#">Learn how to properly hide offscreen content.</a>
<input type="radio"/> Custom controls have associated labels <span style="float: right;">^</span>
Custom interactive controls have associated labels, provided by aria-label or aria-labelledby. <a href="#">Learn more about custom controls and labels.</a>
<input type="radio"/> Custom controls have ARIA roles <span style="float: right;">^</span>
Custom interactive controls have appropriate ARIA roles. <a href="#">Learn how to add roles to custom controls.</a>

These items address areas which an automated testing tool cannot cover. Learn more in our guide on [conducting an accessibility review.](#)

PASSED AUDITS (22)

Hide

<input checked="" type="radio"/> [aria-*] attributes match their roles <span style="float: right;">^</span>
Each ARIA role supports a specific subset of aria-* attributes. Mismatching these invalidates the aria-* attributes. <a href="#">Learn how to match ARIA attributes to their roles.</a>
<input checked="" type="radio"/> [aria-hidden="true"] is not present on the document <body> <span style="float: right;">^</span>
Assistive technologies, like screen readers, work inconsistently when aria-hidden="true" is set on the document <body>. <a href="#">Learn how aria-hidden affects the document body.</a>
<input checked="" type="radio"/> [role]s have all required [aria-*] attributes <span style="float: right;">^</span>
Some ARIA roles have required attributes that describe the state of the element to screen readers. <a href="#">Learn more about roles and required attributes.</a>
<input checked="" type="radio"/> [aria-*] attributes have valid values <span style="float: right;">^</span>
Assistive technologies, like screen readers, can't interpret ARIA attributes with invalid values. <a href="#">Learn more about valid values for ARIA attributes.</a>

● [aria-\*] attributes are valid and not misspelled ^

Assistive technologies, like screen readers, can't interpret ARIA attributes with invalid names. [Learn more about valid ARIA attributes.](#)

● Buttons have an accessible name ^

When a button doesn't have an accessible name, screen readers announce it as "button", making it unusable for users who rely on screen readers. [Learn how to make buttons more accessible.](#)

● Image elements have [alt] attributes ^

Informative elements should aim for short, descriptive alternate text. Decorative elements can be ignored with an empty alt attribute. [Learn more about the alt attribute.](#)

● [user-scalable="no"] is not used in the <meta name="viewport"> element and the [maximum-scale] attribute is not less than 5. ^

Disabling zooming is problematic for users with low vision who rely on screen magnification to properly see the contents of a web page. [Learn more about the viewport meta tag.](#)

● [aria-hidden="true"] elements do not contain focusable descendents ^

Focusable descendents within an [aria-hidden="true"] element prevent those interactive elements from being available to users of assistive technologies like screen readers. [Learn how aria-hidden affects focusable elements.](#)

● [role] values are valid ^

ARIA roles must have valid values in order to perform their intended accessibility functions. [Learn more about valid ARIA roles.](#)

● Background and foreground colors have a sufficient contrast ratio ^

Low-contrast text is difficult or impossible for many users to read. [Learn how to provide sufficient color contrast.](#)

● Document has a `<title>` element ^

The title gives screen reader users an overview of the page, and search engine users rely on it heavily to determine if a page is relevant to their search. [Learn more about document titles.](#)

● `<html>` element has a `[lang]` attribute ^

If a page doesn't specify a `lang` attribute, a screen reader assumes that the page is in the default language that the user chose when setting up the screen reader. If the page isn't actually in the default language, then the screen reader might not announce the page's text correctly. [Learn more about the `lang` attribute.](#)

● `<html>` element has a valid value for its `[lang]` attribute ^

Specifying a valid [BCP 47 language](#) helps screen readers announce text properly. [Learn how to use the `lang` attribute.](#)

● Form elements have associated labels ^

Labels ensure that form controls are announced properly by assistive technologies, like screen readers. [Learn more about form element labels.](#)

● Links have a discernible name ^

Link text (and alternate text for images, when used as links) that is discernible, unique, and focusable improves the navigation experience for screen reader users. [Learn how to make links accessible.](#)

● Lists contain only `<li>` elements and script supporting elements (`<script>` and `<template>`). ^

Screen readers have a specific way of announcing lists. Ensuring proper list structure aids screen reader output. [Learn more about proper list structure.](#)

<p><input checked="" type="radio"/> List items (<code>&lt;li&gt;</code>) are contained within <code>&lt;ul&gt;</code>, <code>&lt;ol&gt;</code> or <code>&lt;menu&gt;</code> parent elements <span style="float: right;">^</span></p> <p>Screen readers require list items (<code>&lt;li&gt;</code>) to be contained within a parent <code>&lt;ul&gt;</code>, <code>&lt;ol&gt;</code> or <code>&lt;menu&gt;</code> to be announced properly. <a href="#">Learn more about proper list structure.</a></p>
<p><input checked="" type="radio"/> Heading elements appear in a sequentially-descending order <span style="float: right;">^</span></p> <p>Properly ordered headings that do not skip levels convey the semantic structure of the page, making it easier to navigate and understand when using assistive technologies. <a href="#">Learn more about heading order.</a></p>
<p><input checked="" type="radio"/> Skip links are focusable. <span style="float: right;">^</span></p> <p>Including a skip link can help users skip to the main content to save time. <a href="#">Learn more about skip links.</a></p>
<p><input checked="" type="radio"/> Values assigned to <code>role=""</code> are valid ARIA roles. <span style="float: right;">^</span></p> <p>ARIA roles enable assistive technologies to know the role of each element on the web page. If the <code>role</code> values are misspelled, not existing ARIA <code>role</code> values, or abstract roles, then the purpose of the element will not be communicated to users of assistive technologies. <a href="#">Learn more about ARIA roles.</a></p>
<p><input checked="" type="radio"/> Image elements do not have <code>[alt]</code> attributes that are redundant text. <span style="float: right;">^</span></p> <p>Informative elements should aim for short, descriptive alternative text. Alternative text that is exactly the same as the text adjacent to the link or image is potentially confusing for screen reader users, because the text will be read twice. <a href="#">Learn more about the alt attribute.</a></p>

NOT APPLICABLE (38)

Hide

<p><input type="radio"/> <code>[accesskey]</code> values are unique <span style="float: right;">^</span></p> <p>Access keys let users quickly focus a part of the page. For proper navigation, each access key must be unique. <a href="#">Learn more about access keys.</a></p>
--



`button`, `link`, and `menuitem` elements have accessible names ^

When an element doesn't have an accessible name, screen readers announce it with a generic name, making it unusable for users who rely on screen readers. [Learn how to make command elements more accessible.](#)

Elements with `role="dialog"` or `role="alertdialog"` have accessible names. ^

ARIA dialog elements without accessible names may prevent screen readers users from discerning the purpose of these elements. [Learn how to make ARIA dialog elements more accessible.](#)

ARIA input fields have accessible names ^

When an input field doesn't have an accessible name, screen readers announce it with a generic name, making it unusable for users who rely on screen readers. [Learn more about input field labels.](#)

ARIA `meter` elements have accessible names ^

When a meter element doesn't have an accessible name, screen readers announce it with a generic name, making it unusable for users who rely on screen readers. [Learn how to name meter elements.](#)

ARIA `progressbar` elements have accessible names ^

When a progressbar element doesn't have an accessible name, screen readers announce it with a generic name, making it unusable for users who rely on screen readers. [Learn how to label progressbar elements.](#)

Elements with an ARIA `[role]` that require children to contain a specific `[role]` have all required children. ^

Some ARIA parent roles must contain specific child roles to perform their intended accessibility functions. [Learn more about roles and required children elements.](#)

`[role]`s are contained by their required parent element ^

Some ARIA child roles must be contained by specific parent roles to properly perform their intended accessibility functions. [Learn more about ARIA roles and required parent element.](#)

Elements with the `role=text` attribute do not have focusable descendents. ^

Adding `role=text` around a text node split by markup enables VoiceOver to treat it as one phrase, but the element's focusable descendents will not be announced. [Learn more about the `role=text`](#)

[attribute.](#)

ARIA toggle fields have accessible names ^

When a toggle field doesn't have an accessible name, screen readers announce it with a generic name, making it unusable for users who rely on screen readers. [Learn more about toggle fields.](#)

ARIA `tooltip` elements have accessible names ^

When a tooltip element doesn't have an accessible name, screen readers announce it with a generic name, making it unusable for users who rely on screen readers. [Learn how to name tooltip elements.](#)

ARIA `treeitem` elements have accessible names ^

When a `treeitem` element doesn't have an accessible name, screen readers announce it with a generic name, making it unusable for users who rely on screen readers. [Learn more about labeling `treeitem` elements.](#)

The page contains a heading, skip link, or landmark region ^

Adding ways to bypass repetitive content lets keyboard users navigate the page more efficiently. [Learn more about bypass blocks.](#)

`<d1>`'s contain only properly-ordered `<dt>` and `<dd>` groups, `<script>`, `<template>` or `<div>` elements. ^

When definition lists are not properly marked up, screen readers may produce confusing or inaccurate output. [Learn how to structure definition lists correctly.](#)

Definition list items are wrapped in `<d1>` elements ^

Definition list items (`<dt>` and `<dd>`) must be wrapped in a parent `<d1>` element to ensure that screen readers can properly announce them. [Learn how to structure definition lists correctly.](#)

`[id]` attributes on active, focusable elements are unique ^

All focusable elements must have a unique `id` to ensure that they're visible to assistive technologies. [Learn how to fix duplicate `ids`.](#)

ARIA IDs are unique ^

The value of an ARIA ID must be unique to prevent other instances from being overlooked by assistive technologies. [Learn how to fix duplicate ARIA IDs.](#)

No form fields have multiple labels ^

Form fields with multiple labels can be confusingly announced by assistive technologies like screen readers which use either the first, the last, or all of the labels. [Learn how to use form labels.](#)

`<frame>` or `<iframe>` elements have a title ^

Screen reader users rely on frame titles to describe the contents of frames. [Learn more about frame titles.](#)

`<html>` element has an `[xml:lang]` attribute with the same base language as the `[lang]` attribute. ^

If the webpage does not specify a consistent language, then the screen reader might not announce the page's text correctly. [Learn more about the lang attribute.](#)

Input buttons have discernible text. ^

Adding discernable and accessible text to input buttons may help screen reader users understand the purpose of the input button. [Learn more about input buttons.](#)

`<input type="image">` elements have `[alt]` text ^

When an image is being used as an `<input>` button, providing alternative text can help screen reader users understand the purpose of the button. [Learn about input image alt text.](#)

Links are distinguishable without relying on color. ^

Low-contrast text is difficult or impossible for many users to read. Link text that is discernible improves the experience for users with low vision. [Learn how to make links distinguishable.](#)

The document does not use `<meta http-equiv="refresh">` ^

Users do not expect a page to refresh automatically, and doing so will move focus back to the top of the page. This may create a frustrating or confusing experience. [Learn more about the refresh meta tag.](#)

`<object>` elements have alternate text ^

Screen readers cannot translate non-text content. Adding alternate text to `<object>` elements helps screen readers convey meaning to users. [Learn more about alt text for object elements.](#)

Select elements have associated label elements. ^

Form elements without effective labels can create frustrating experiences for screen reader users. [Learn more about the select element.](#)

No element has a `[tabindex]` value greater than 0 ^

A value greater than 0 implies an explicit navigation ordering. Although technically valid, this often creates frustrating experiences for users who rely on assistive technologies. [Learn more about the tabindex attribute.](#)

Tables have different content in the summary attribute and `<caption>`. ^

The summary attribute should describe the table structure, while `<caption>` should have the onscreen title. Accurate table mark-up helps users of screen readers. [Learn more about summary and caption.](#)

Cells in a `<table>` element that use the `[headers]` attribute refer to table cells within the same table. ^

Screen readers have features to make navigating tables easier. Ensuring `<td>` cells using the `[headers]` attribute only refer to other cells in the same table may improve the experience for screen reader users. [Learn more about the headers attribute.](#)

`<th>` elements and elements with `[role="columnheader"/"rowheader"]` have data cells they describe. ^

Screen readers have features to make navigating tables easier. Ensuring table headers always refer to some set of cells may improve the experience for screen reader users. [Learn more about table headers.](#)

`[lang]` attributes have a valid value ^

Specifying a valid [BCP 47 language](#) on elements helps ensure that text is pronounced correctly by a screen reader. [Learn how to use the lang attribute.](#)

`<video>` elements contain a `<track>` element with `[kind="captions"]` ^

When a video provides a caption it is easier for deaf and hearing impaired users to access its information. [Learn more about video captions.](#)

<input type="radio"/> All heading elements contain content. <span style="float: right;">^</span>
A heading with no content or inaccessible text prevent screen reader users from accessing information on the page's structure. <a href="#">Learn more about headings.</a>
<input type="radio"/> Identical links have the same purpose. <span style="float: right;">^</span>
Links with the same destination should have the same description, to help users understand the link's purpose and decide whether to follow it. <a href="#">Learn more about identical links.</a>
<input type="radio"/> Document has a main landmark. <span style="float: right;">^</span>
One main landmark helps screen reader users navigate a web page. <a href="#">Learn more about landmarks.</a>
<input type="radio"/> Elements with visible text labels have matching accessible names. <span style="float: right;">^</span>
Visible text labels that do not match the accessible name can result in a confusing experience for screen reader users. <a href="#">Learn more about accessible names.</a>
<input type="radio"/> Tables use <code>&lt;caption&gt;</code> instead of cells with the <code>[colspan]</code> attribute to indicate a caption. <span style="float: right;">^</span>
Screen readers have features to make navigating tables easier. Ensuring that tables use the actual caption element instead of cells with the <code>[colspan]</code> attribute may improve the experience for screen reader users. <a href="#">Learn more about captions.</a>
<input type="radio"/> <code>&lt;td&gt;</code> elements in a large <code>&lt;table&gt;</code> have one or more table headers. <span style="float: right;">^</span>
Screen readers have features to make navigating tables easier. Ensuring that <code>&lt;td&gt;</code> elements in a large table (3 or more cells in width and height) have an associated table header may improve the experience for screen reader users. <a href="#">Learn more about table headers.</a>



# Best Practices

## TRUST AND SAFETY

Ensure CSP is effective against XSS attacks ^

A strong Content Security Policy (CSP) significantly reduces the risk of cross-site scripting (XSS) attacks. [Learn how to use a CSP to prevent XSS](#)

Description	Directive	Severity
`script-src` directive is missing. This can allow the execution of unsafe scripts.	script-src	High

## GENERAL

Detected JavaScript libraries ^

All front-end JavaScript libraries detected on the page. [Learn more about this JavaScript library detection diagnostic audit.](#)

Name	Version
WordPress	
WP Rocket	

## PASSED AUDITS (14)

Hide

Uses HTTPS ^

All sites should be protected with HTTPS, even ones that don't handle sensitive data. This includes avoiding [mixed content](#), where some resources are loaded over HTTP despite the initial request being served over HTTPS. HTTPS prevents intruders from tampering with or passively listening in on the communications between your app and your users, and is a prerequisite for HTTP/2 and many new web platform APIs. [Learn more about HTTPS.](#)

● Avoids deprecated APIs ^

Deprecated APIs will eventually be removed from the browser. [Learn more about deprecated APIs.](#)

● Avoids third-party cookies ^

Support for third-party cookies will be removed in a future version of Chrome. [Learn more about phasing out third-party cookies.](#)

● Allows users to paste into input fields ^

Preventing input pasting is a bad practice for the UX, and weakens security by blocking password managers. [Learn more about user-friendly input fields.](#)

● Avoids requesting the geolocation permission on page load ^

Users are mistrustful of or confused by sites that request their location without context. Consider tying the request to a user action instead. [Learn more about the geolocation permission.](#)

● Avoids requesting the notification permission on page load ^

Users are mistrustful of or confused by sites that request to send notifications without context. Consider tying the request to user gestures instead. [Learn more about responsibly getting permission for notifications.](#)

● Displays images with correct aspect ratio ^

Image display dimensions should match natural aspect ratio. [Learn more about image aspect ratio.](#)

● Serves images with appropriate resolution ^

Image natural dimensions should be proportional to the display size and the pixel ratio to maximize image clarity. [Learn how to provide responsive images.](#)

<p>● Page has the HTML doctype <span style="float: right;">^</span></p> <p>Specifying a doctype prevents the browser from switching to quirks-mode. <a href="#">Learn more about the doctype declaration.</a></p>
<p>● Properly defines charset <span style="float: right;">^</span></p> <p>A character encoding declaration is required. It can be done with a &lt;meta&gt; tag in the first 1024 bytes of the HTML or in the Content-Type HTTP response header. <a href="#">Learn more about declaring the character encoding.</a></p>
<p>● Avoids <code>unload</code> event listeners <span style="float: right;">^</span></p> <p>The unload event does not fire reliably and listening for it can prevent browser optimizations like the Back-Forward Cache. Use <code>pagehide</code> or <code>visibilitychange</code> events instead. <a href="#">Learn more about unload event listeners</a></p>
<p>● No browser errors logged to the console <span style="float: right;">^</span></p> <p>Errors logged to the console indicate unresolved problems. They can come from network request failures and other browser concerns. <a href="#">Learn more about this errors in console diagnostic audit</a></p>
<p>● No issues in the <code>Issues</code> panel in Chrome Devtools <span style="float: right;">^</span></p> <p>Issues logged to the <code>Issues</code> panel in Chrome Devtools indicate unresolved problems. They can come from network request failures, insufficient security controls, and other browser concerns. Open up the <code>Issues</code> panel in Chrome DevTools for more details on each issue.</p>
<p>● Page has valid source maps <span style="float: right;">^</span></p> <p>Source maps translate minified code to the original source code. This helps developers debug in production. In addition, Lighthouse is able to provide further insights. Consider deploying source maps to take advantage of these benefits. <a href="#">Learn more about source maps.</a></p>

NOT APPLICABLE (1)

Hide



○ Fonts with `font-display: optional` are preloaded ^

Preload optional fonts so first-time visitors may use them. [Learn more about preloading fonts](#)



## SEO

These checks ensure that your page is following basic search engine optimization advice. There are many additional factors Lighthouse does not score here that may affect your search ranking, including performance on [Core Web Vitals](#). [Learn more about Google Search Essentials](#).

### ADDITIONAL ITEMS TO MANUALLY CHECK (1) Hide

○ Structured data is valid ^

Run the [Structured Data Testing Tool](#) and the [Structured Data Linter](#) to validate structured data. [Learn more about Structured Data](#).

Run these additional validators on your site to check additional SEO best practices.

### PASSED AUDITS (12) Hide

● Has a `<meta name="viewport">` tag with `width` or `initial-scale` ^

A `<meta name="viewport">` not only optimizes your app for mobile screen sizes, but also prevents [a 300 millisecond delay to user input](#). [Learn more about using the viewport meta tag](#). TBT

● Document has a `<title>` element ^

The title gives screen reader users an overview of the page, and search engine users rely on it heavily

to determine if a page is relevant to their search. [Learn more about document titles.](#)

● Document has a meta description ^

Meta descriptions may be included in search results to concisely summarize page content. [Learn more about the meta description.](#)

● Page has successful HTTP status code ^

Pages with unsuccessful HTTP status codes may not be indexed properly. [Learn more about HTTP status codes.](#)

● Links have descriptive text ^

Descriptive link text helps search engines understand your content. [Learn how to make links more accessible.](#)

● Links are crawlable ^

Search engines may use href attributes on links to crawl websites. Ensure that the href attribute of anchor elements links to an appropriate destination, so more pages of the site can be discovered. [Learn how to make links crawlable](#)

● Page isn't blocked from indexing ^

Search engines are unable to include your pages in search results if they don't have permission to crawl them. [Learn more about crawler directives.](#)

● robots.txt is valid ^

If your robots.txt file is malformed, crawlers may not be able to understand how you want your website to be crawled or indexed. [Learn more about robots.txt.](#)

● Image elements have [alt] attributes ^

Informative elements should aim for short, descriptive alternate text. Decorative elements can be

ignored with an empty alt attribute. [Learn more about the alt attribute.](#)

Document has a valid hreflang ^

hreflang links tell search engines what version of a page they should list in search results for a given language or region. [Learn more about hreflang.](#)

Document has a valid rel=canonical ^

Canonical links suggest which URL to show in search results. [Learn more about canonical links.](#)

Document avoids plugins ^

Search engines can't index plugin content, and many devices restrict plugins or don't support them. [Learn more about avoiding plugins.](#)

NOT APPLICABLE (2)

Hide

Document uses legible font sizes ^

Font sizes less than 12px are too small to be legible and require mobile visitors to “pinch to zoom” in order to read. Strive to have >60% of page text  $\geq 12$ px. [Learn more about legible font sizes.](#)

Tap targets are sized appropriately ^

Interactive elements like buttons and links should be large enough (48x48px), or have enough space around them, to be easy enough to tap without overlapping onto other elements. [Learn more about tap targets.](#)



## PWA

These checks validate the aspects of a Progressive Web App. [Learn what makes a good Progressive Web App.](#)

### INSTALLABLE

#### Web app manifest and service worker meet the installability requirements

Service worker is the technology that enables your app to use many Progressive Web App features, such as offline, add to homescreen, and push notifications. With proper service worker and manifest implementations, browsers can proactively prompt users to add your app to their homescreen, which can lead to higher engagement. [Learn more about manifest installability requirements.](#)

### PWA OPTIMIZED

#### Configured for a custom splash screen

A themed splash screen ensures a high-quality experience when users launch your app from their homescreens. [Learn more about splash screens.](#)

#### Sets a theme color for the address bar.

The browser address bar can be themed to match your site. [Learn more about theming the address bar.](#)

#### Content is sized correctly for the viewport

If the width of your app's content doesn't match the width of the viewport, your app might not be optimized for mobile screens. [Learn how to size content for the viewport.](#)

#### Has a `<meta name="viewport">` tag with `width` or `initial-scale`

A <meta name="viewport"> not only optimizes your app for mobile screen sizes, but also prevents [a 300 millisecond delay to user input](#). [Learn more about using the viewport meta tag](#). TBT

Manifest has a maskable icon

A maskable icon ensures that the image fills the entire shape without being letterboxed when installing the app on a device. [Learn about maskable manifest icons](#).

ADDITIONAL ITEMS TO MANUALLY CHECK (3)

Hide

Site works cross-browser

To reach the most number of users, sites should work across every major browser. [Learn about cross-browser compatibility](#).

Page transitions don't feel like they block on the network

Transitions should feel snappy as you tap around, even on a slow network. This experience is key to a user's perception of performance. [Learn more about page transitions](#).

Each page has a URL

Ensure individual pages are deep linkable via URL and that URLs are unique for the purpose of shareability on social media. [Learn more about providing deep links](#).

These checks are required by the baseline [PWA Checklist](#) but are not automatically checked by Lighthouse. They do not affect your score but it's important that you verify them manually.

Captured at Jan 13, 2024, 7:28 AM EST

Emulated Desktop with Lighthouse 11.4.0

Single page session

Initial page load

Unknown

Using HeadlessChromium 120.0.6099.199 with Ir

Generated by Lighthouse 11.4.0 | [File an issue](#)