

# Report from Dec 23, 2023, 5:44:47 AM

https://ioswitch.dev/

Analyze

Mobile

Desktop

Discover what your real users are experiencing

No Data

Diagnose performance issues



Performance



Accessibility



Best Practices



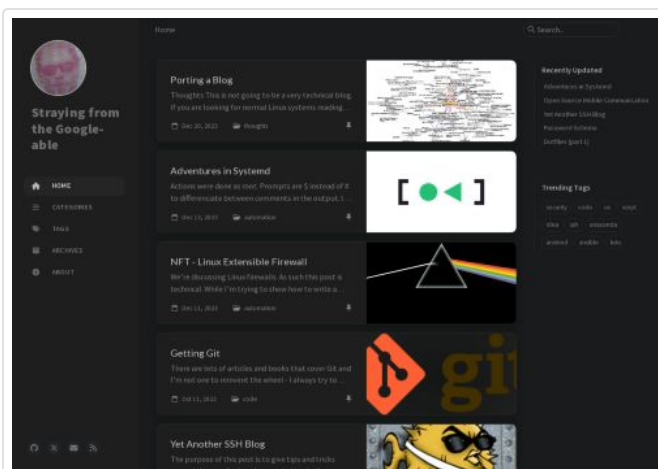
SEO



Performance

Values are estimated and may vary. The performance score is calculated directly from these metrics. See calculator.

0-49 50-89 90-100



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● Speed Index

1.0 s

📅 Captured at Dec 23, 2023, 5:44 AM UTC

🖥️ Emulated Desktop with Lighthouse 11.0.0

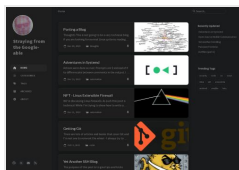
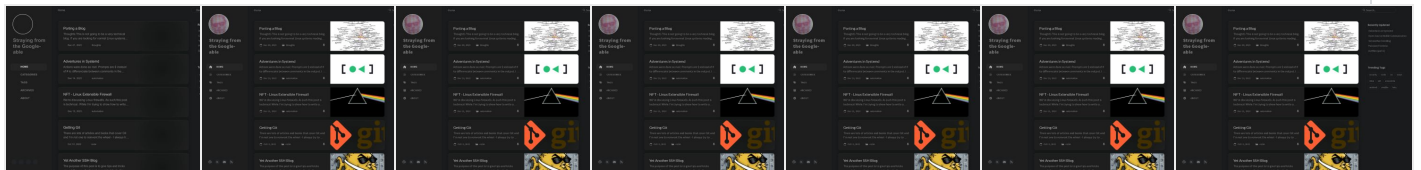
👤 Single page load

🕒 Initial page load

⚡ Custom throttling

🔗 Using HeadlessChromium 120.0.6099.71 with Ir

🗃️ View Treemap



Show audits relevant to: **All** [FCP](#) [LCP](#) [TBT](#) [CLS](#)

OPPORTUNITIES

Opportunity

Estimated Savings

▲ Properly size images 12.10s ^

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

URL	Resource Size	Potential Savings
ioswitch.dev <span>1st Party</span>	15,665.9 KiB	15,437.6 KiB
 ...img/F-15E_LANTIRN_IR_HUD_image.jpg (ioswitch.dev)	3,729.1 KiB	3,696.5 KiB

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```
<img src= /static/img/F-
15E_LANTIRN_IR_HUD_image
.jpg" alt="Preview
Image" loading="lazy">
```



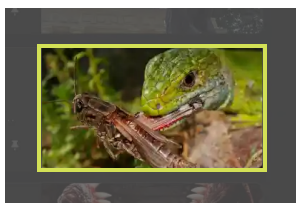
Preview Image

...

img/Enigma\_rotors\_with\_alphabet\_rings.jpg 2,482.5 KiB 2,472.7 KiB  
(ioswitch.dev)

```

```



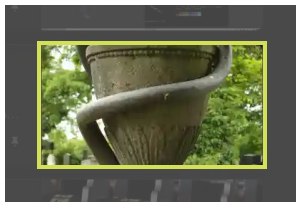
Preview Image

...

img/Western\_Green\_Lizard.jpg (ioswitch.de 2,417.0 KiB 2,409.1 KiB  
v)

```

```



Preview Image

...

img/Erlangen\_Neust%C3%A4dter\_Friedhof\_018.jpeg (ioswitch.dev) 2,286.7 KiB 2,272.2 KiB

```

```



...img/mobile-computing.jpg (ioswitch.dev) 2,229.0 KiB 2,168.2 KiB

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Preview Image

```

```



Preview Image

...

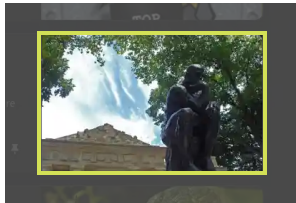
img/The.Matrix.glmatrix.2.png (ioswitch.dev)

795.9 KiB

760.2 KiB

```

```



Preview Image

...

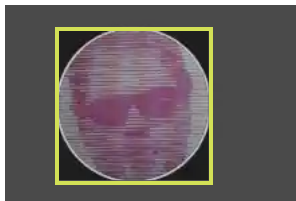
img/The\_Thinker\_Rodin\_Phila.jpeg (ioswitc  
h.dev)

518.8 KiB

502.3 KiB

```

```



avatar

...img/line\_vector\_me.jpg (ioswitch.dev)

455.4 KiB

453.0 KiB

```

```



Preview Image

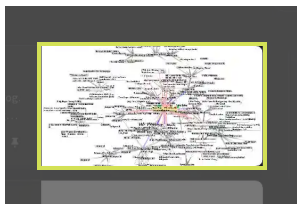
```

```

...img/Qubes\_OS\_ws\_4-1-2.png (ioswitch.dev)

234.3 KiB

228.4 KiB



Preview Image

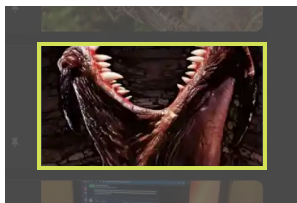
```

```

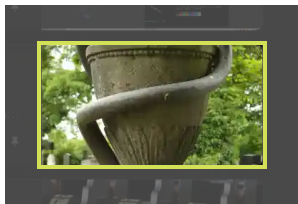
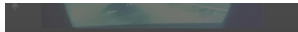
...img/WorldWideWebAroundWikipedia.png (ioswitch.dev)

90.5 KiB

85.8 KiB



Preview Image

```
1st Party</span>                                                                                                                                                                                                 | 13,186.5 KiB                                                                          | 7,304.2 KiB       |
|  <p>Preview Image</p> <p><code>&lt;img src="/static/img/F-15E_LANTIRN_IR_HUD_image.jpg" alt="Preview Image" loading="lazy"&gt;</code></p>          | <p>...img/F-15E_LANTIRN_IR_HUD_image.jpg (ioswitch.dev)</p> <p>3,729.1 KiB</p>        | 2,754.0 KiB       |
|  <p>Preview Image</p> <p><code>&lt;img src="/static/img/mobile-computing.jpg" alt="Preview Image" loading="lazy"&gt;</code></p>                   | <p>...img/mobile-computing.jpg (ioswitch.dev)</p> <p>2,229.0 KiB</p>                  | 1,916.5 KiB       |
|  <p>Preview Image</p> <p><code>&lt;img src="/static/img/Erlangen_Neustädter_Friedhof_018.jpeg" alt="Preview Image" loading="lazy"&gt;</code></p> | <p>...img/Erlangen_Neustädter_Friedhof_018.jpeg (ioswitch.dev)</p> <p>2,286.7 KiB</p> | 944.5 KiB         |
|  <p>Preview Image</p>                                                                                                                            | <p>...</p> <p>795.9 KiB</p>                                                           | 694.1 KiB         |

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[Learn More.](#) [Ok, Got it.](#)

ew image

```



```



P  
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...

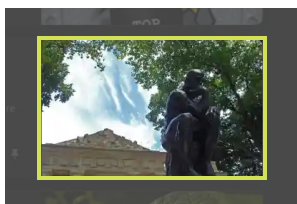
w Image

img/Enigma\_rotors\_with\_alphabet\_rings.jpg 2,482.5 KiB 332.3 KiB  
(ioswitch.dev)

```



```



P  
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...

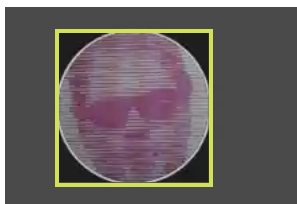
w Image

img/The\_Thinker\_Rodin\_Phila.jpeg (ioswitc 518.8 KiB 211.1 KiB  
h.dev)

```



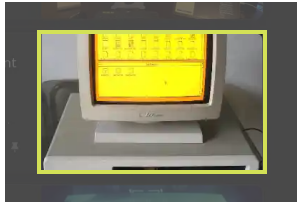
```



a  
v  
a  
t  
a  
r

```


```



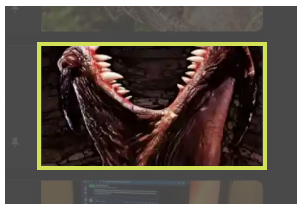
Preview Image

Preview Image

```

```

|                                      |           |           |
|--------------------------------------|-----------|-----------|
| ...img/IBM_PC_GEM.jpg (ioswitch.dev) | 367.4 KiB | 101.7 KiB |
|--------------------------------------|-----------|-----------|



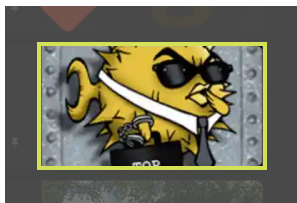
Preview Image

Preview Image

```

```

|                                                              |          |          |
|--------------------------------------------------------------|----------|----------|
| ...img/Tremors_official_theatrical_poster.jpg (ioswitch.dev) | 59.3 KiB | 33.0 KiB |
|--------------------------------------------------------------|----------|----------|



Preview Image

Preview Image

```

```

|                                        |          |          |
|----------------------------------------|----------|----------|
| ...img/OpenSSH_logo.png (ioswitch.dev) | 28.1 KiB | 17.7 KiB |
|----------------------------------------|----------|----------|

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| URL                                                                                                                                                                                                                                                                                                                           | Resource Size      | Potential Savings  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|--------------------|
| ioswitch.dev <span>1st Party</span>                                                                                                                                                                                                                                                                                           | <b>8,304.1 KiB</b> | <b>4,308.6 KiB</b> |
|  <p>Preview Image<br/>                     ...img/F-15E_LANTIRN_IR_HUD_image.jpg (ioswitch.dev)</p> <p><code>&lt;img src="/static/img/F-15E_LANTIRN_IR_HUD_image.jpg" alt="Preview Image" loading="lazy"&gt;</code></p>                      | 3,729.1 KiB        | 2,266.4 KiB        |
|  <p>Preview Image<br/>                     ...img/mobile-computing.jpg (ioswitch.dev)</p> <p><code>&lt;img src="/static/img/mobile-computing.jpg" alt="Preview Image" loading="lazy"&gt;</code></p>                                          | 2,229.0 KiB        | 1,760.2 KiB        |
|  <p>Preview Image<br/>                     ...img/Erlangen_Neust%C3%A4dter_Friedhof_018.jpeg (ioswitch.dev)</p> <p><code>&lt;img src="/static/img/Erlangen_Neustädter_Friedhof_018.jpeg" alt="Preview Image" loading="lazy"&gt;</code></p> | 2,286.7 KiB        | 273.3 KiB          |
|  <p>Preview Image<br/>                     ...img/Tremors_official_theatrical_poster.jpg (i</p>                                                                                                                                            | 59.3 KiB           | 8.6 KiB            |

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```

```

### Eliminate render-blocking resources

0.58s



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

 Show 3rd-party resources (2)

| URL                                           | Transfer Size | Potential Savings |
|-----------------------------------------------|---------------|-------------------|
| Google Fonts <span>Cdn</span>                 | 1.5 KiB       | 210 ms            |
| /css2?family=... (fonts.googleapis.com)       | 1.5 KiB       | 210 ms            |
| JSDelivr CDN <span>Cdn</span>                 | 34.8 KiB      | 250 ms            |
| ...css/bootstrap.min.css (cdn.jsdelivr.net)   | 34.8 KiB      | 250 ms            |
| ioswitch.dev <span>1st Party</span>           | 12.0 KiB      | 60 ms             |
| ...css/jekyll-theme-chirpy.css (ioswitch.dev) | 12.0 KiB      | 60 ms             |

These suggestions can help your page load faster. They don't [directly affect](#) the Performance score.

#### DIAGNOSTICS

### ▲ Avoid enormous network payloads — Total size was 16,263 KiB



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

URL

Transfer Size

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|                                                                  |             |
|------------------------------------------------------------------|-------------|
| ...img/Western_Green_Lizard.jpg (ioswitch.dev)                   | 2,417.6 KiB |
| ...img/Erlangen_Neust%C3%A4dter_Friedhof_018.jpeg (ioswitch.dev) | 2,287.3 KiB |
| ...img/mobile-computing.jpg (ioswitch.dev)                       | 2,229.6 KiB |
| ...img/The.Matrix.glmatrix.2.png (ioswitch.dev)                  | 796.5 KiB   |
| ...img/The_Thinker_Rodin_Phila.jpeg (ioswitch.dev)               | 519.4 KiB   |
| ...img/line_vector_me.jpg (ioswitch.dev)                         | 456.0 KiB   |
| ...img/IBM_PC_GEM.jpg (ioswitch.dev)                             | 368.0 KiB   |
| ...img/Qubes_OS_ws_4-1-2.png (ioswitch.dev)                      | 234.9 KiB   |

▲ Serve static assets with an efficient cache policy — 19 resources found ^

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

| URL                                                              | Cache TTL | Transfer Size |
|------------------------------------------------------------------|-----------|---------------|
| ioswitch.dev <span>1st Party</span>                              |           | 15,723 KiB    |
| ...img/F-15E_LANTIRN_IR_HUD_image.jpg (ioswitch.dev)             | 10m       | 3,730 KiB     |
| ...img/Enigma_rotors_with_alphabet_rings.jpg (ioswitch.dev)      | 10m       | 2,483 KiB     |
| ...img/Western_Green_Lizard.jpg (ioswitch.dev)                   | 10m       | 2,418 KiB     |
| ...img/Erlangen_Neust%C3%A4dter_Friedhof_018.jpeg (ioswitch.dev) | 10m       | 2,287 KiB     |
| ...img/mobile-computing.jpg (ioswitch.dev)                       | 10m       | 2,230 KiB     |
| ...img/The.Matrix.glmatrix.2.png (ioswitch.dev)                  | 10m       | 796 KiB       |
| ...img/The_Thinker_Rodin_Phila.jpeg (ioswitch.dev)               | 10m       | 519 KiB       |
| ...img/line_vector_me.jpg (ioswitch.dev)                         | 10m       | 456 KiB       |

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|                                                              |     |        |
|--------------------------------------------------------------|-----|--------|
| ...img/WorldWideWebAroundWikipedia.png (ioswitch.dev)        | 10m | 91 KiB |
| ...img/Tremors_official_theatrical_poster.jpg (ioswitch.dev) | 10m | 60 KiB |
| ...img/OpenSSH_logo.png (ioswitch.dev)                       | 10m | 29 KiB |
| ...css/jekyll-theme-chirpy.css (ioswitch.dev)                | 10m | 12 KiB |
| ...img/The_Dark_Side_of_the_Moon_Cover.svg (ioswitch.dev)    | 10m | 2 KiB  |
| ...dist/home.min.js (ioswitch.dev)                           | 10m | 2 KiB  |
| ...img/Git-logo.svg (ioswitch.dev)                           | 10m | 2 KiB  |
| ...img/systemd-logomark.svg (ioswitch.dev)                   | 10m | 1 KiB  |
| /app.js (ioswitch.dev)                                       | 10m | 1 KiB  |

### ▲ Largest Contentful Paint image was 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

#### Element



#### Preview Image

```

```

### ○ Avoid chaining critical requests — 11 chains found ^

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: **275.775 ms**

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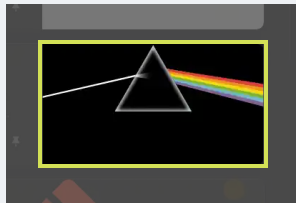
[Learn More.](#) [Ok, Got it.](#)

|                                                                                     |
|-------------------------------------------------------------------------------------|
| ...v22/0XRYuSBTK...woff2 (fonts.gstatic.com) - 4.123 ms, 14.85 KiB                  |
| ...css/bootstrap.min.css (cdn.jsdelivr.net) - 31.255 ms, 34.83 KiB                  |
| ...css/all.min.css (cdn.jsdelivr.net)                                               |
| ...webfonts/fa-brands-400.woff2 (cdn.jsdelivr.net) - 13.01 ms, 107.94 KiB           |
| ...webfonts/fa-regular-400.woff2 (cdn.jsdelivr.net) - 14.798 ms, 24.62 KiB          |
| ...webfonts/fa-solid-900.woff2 (cdn.jsdelivr.net) - 12.801 ms, 147.21 KiB           |
| ...css/jekyll-theme-chirpy.css (ioswitch.dev) - 89.053 ms, 12.01 KiB                |
| ...dist/loading-attribute-polyfill.min.css (cdn.jsdelivr.net) - 14.405 ms, 1.00 KiB |
| ...plugin/localizedFormat.min.js (cdn.jsdelivr.net) - 61.319 ms, 62.57 KiB          |

### ○ Largest Contentful Paint element — 1,520 ms ^

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

#### Element



#### Preview Image

```

```

| Phase        | % of LCP | Timing |
|--------------|----------|--------|
| TTFB         | 16%      | 240 ms |
| Load Delay   | 42%      | 630 ms |
| Load Time    | 13%      | 200 ms |
| Render Delay | 29%      | 440 ms |

### ○ Avoid large layout shifts — 5 elements found ^

These DOM elements contribute most to the CLS of the page. [Learn how to improve CLS](#) CLS

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|                                                                                    |                                                                                                    |       |
|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|-------|
|   | anaconda<br><code>&lt;a class="post-tag btn btn-outline-primary" href="/tags/anaconda/"&gt;</code> | 0.001 |
|   | automation<br><code>&lt;span class="categories"&gt;</code>                                         | 0.001 |
|   | automation<br><code>&lt;span class="categories"&gt;</code>                                         | 0.001 |
|  | thoughts<br><code>&lt;span class="categories"&gt;</code>                                           | 0.000 |

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     |
|-------------------------------------------------------------------------------------|------------|--------------|
| ioswitch.dev <span style="border: 1px solid blue; padding: 0 2px;">1st Party</span> |            | <b>59 ms</b> |
| https://ioswitch.dev                                                                | 360 ms     | 59 ms        |

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

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## Accessibility

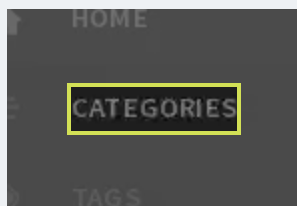
These checks highlight opportunities to [improve the accessibility of your web app](#). Automatic detection can only detect a subset of issues and does not guarantee the accessibility of your web app, so [manual testing](#) is also encouraged.

### CONTRAST

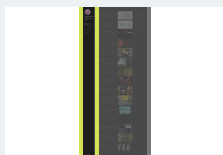
▲ Background and foreground colors do not have a sufficient contrast ratio. ^

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

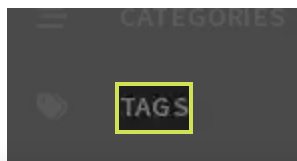
#### Failing Elements



CATEGORIES  
<span>

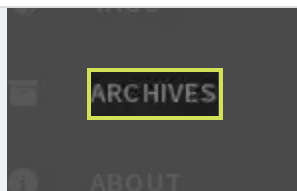


Straying from the Google-able HOME CATEGORIES TAGS ARCHIVES ABOUT  
<aside aria-label="Sidebar" id="sidebar" class="d-flex flex-column align-items-end">



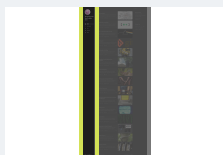
TAGS  
<span>

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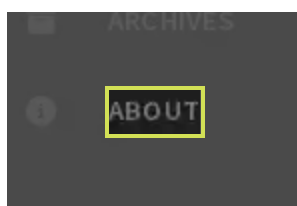
ARCHIVES

&lt;span&gt;



Straying from the Google-able HOME CATEGORIES TAGS ARCHIVES ABOUT

```
<aside aria-label="Sidebar" id="sidebar" class="d-flex flex-column align-items-end">
```



ABOUT

&lt;span&gt;



Straying from the Google-able HOME CATEGORIES TAGS ARCHIVES ABOUT

```
<aside aria-label="Sidebar" id="sidebar" class="d-flex flex-column align-items-end">
```

These are opportunities to improve the legibility of your content.

## NAMES AND LABELS

### ▲ Links do not 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.](#)

#### Failing Elements

```
div#tail-wrapper > footer.d-flex > p > a
```

```
<a href="">
```

These are opportunities to improve the semantics of the controls in your application. This may enhance the experience for users of assistive technology, like a screen reader.

ADDITIONAL ITEMS TO MANUALLY CHECK (10)

Show

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NOT APPLICABLE (42)

Show



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
No CSP found in enforcement mode		High

GENERAL

Detected JavaScript libraries



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

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## PASSED AUDITS (13)

[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.](#)

 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.](#)

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[Learn More.](#) [Ok, Got it.](#)

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

● Page has the HTML doctype ^

Specifying a doctype prevents the browser from switching to quirks-mode. [Learn more about the doctype declaration.](#)

● Properly defines charset ^

A character encoding declaration is required. It can be done with a `<meta>` tag in the first 1024 bytes of the HTML or in the Content-Type HTTP response header. [Learn more about declaring the character encoding.](#)

● Avoids `unload` event listeners ^

The `unload` event does not fire reliably and listening for it can prevent browser optimizations like the Back-Forward Cache. Use `pagehide` or `visibilitychange` events instead. [Learn more about unload event listeners](#)

● No browser errors logged to the console ^

Errors logged to the console indicate unresolved problems. They can come from network request failures and other browser concerns. [Learn more about this errors in console diagnostic audit](#)

● No issues in the [Issues](#) panel in Chrome Devtools ^

Issues logged to the [Issues](#) panel in Chrome Devtools indicate unresolved problems. They can come from network request failures, insufficient security controls, and other browser concerns. Open up the [Issues](#) panel in Chrome DevTools for more details on each issue.

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JSDelivr CDN Cdn

...plugin/localizedFormat.min.js (cdn.jsdelivr.net)

/sm/a2bad53....map (cdn.jsdelivr.net)

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](#).

#### CRAWLING AND INDEXING

▲ Links are not 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.

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```
<a href="">
```

To appear in search results, crawlers need access to your app.

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

[Show](#)

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

#### PASSED AUDITS (11)

[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.](#)

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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 ^

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

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