http://127.0.0.1:5501/index.html

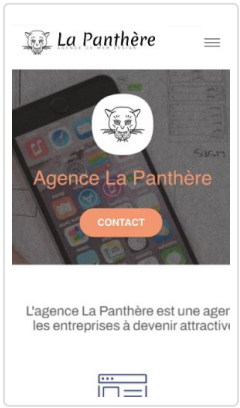
Performance	Accessibility	Best Practices	SEO	PWA
63	84	92	78	—

63

Performance

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

▲ 0–49 50–89 90–100

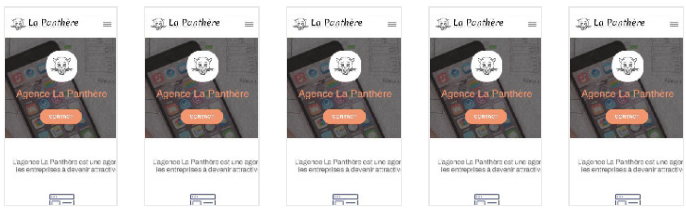


METRICS

Expand view

▲ First Contentful Paint 3.8 s	Time to Interactive 3.8 s
Speed Index 3.8 s	Total Blocking Time 0 ms
▲ Largest Contentful Paint 8.9 s	Cumulative Layout Shift 0.129

View Original Trace | View Treemap



Show audits relevant to: All FCP TBT LCP CLS

OPPORTUNITIES

Opportunity	Estimated Savings
Serve images in next-gen formats	36 s
Efficiently encode images	32.7 s
Eliminate render-blocking resources	3.06 s
Enable text compression	1.8 s
Reduce unused CSS	0.9 s
Reduce unused JavaScript	0.9 s
Minify JavaScript	0.45 s
Properly size images	0.15 s
Minify CSS	0.15 s

These suggestions can help your page load faster. They don't directly affect the Performance score.

DIAGNOSTICS

- Ensure text remains visible during webfont load
- Image elements do not have explicit `width` and `height`
- Avoid enormous network payloads — Total size was 8,512 KiB
- Avoid chaining critical requests — 8 chains found
- Keep request counts low and transfer sizes small — 26 requests • 8,512 KiB
- Largest Contentful Paint element — 1 element found
- Avoid large layout shifts — 5 elements found
- Avoid long main-thread tasks — 2 long tasks found

More information about the performance of your application. These numbers don't directly affect the Performance score.

PASSED AUDITS (22)

Show

84

Accessibility

These checks highlight opportunities to improve the accessibility of your web app. Only a subset of accessibility issues can be automatically detected so manual testing is also encouraged.

CONTRAST

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

These are opportunities to improve the legibility of your content.

INTERNATIONALIZATION AND LOCALIZATION

▲ `<html>` element does not have a valid value for its `[lang]` attribute.

These are opportunities to improve the interpretation of your content by users in different locales.

NAMES AND LABELS

▲ Links do not have a discernible name

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.

NAVIGATION

▲ Heading elements are not in a sequentially-descending order

These are opportunities to improve keyboard navigation in your application.

ADDITIONAL ITEMS TO MANUALLY CHECK (10)

Show

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

PASSED AUDITS (10)

Show

NOT APPLICABLE (30)

Show

Best Practices

TRUST AND SAFETY

- ▲ Includes front-end JavaScript libraries with known security vulnerabilities — 9 vulnerabilities detected
- ○ Ensure CSP is effective against XSS attacks

GENERAL

- ○ Detected JavaScript libraries

PASSED AUDITS (13) Show

NOT APPLICABLE (1) Show

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.

CONTENT BEST PRACTICES

- ▲ Document does not have a meta description Description text is empty.

Format your HTML in a way that enables crawlers to better understand your app's content.

MOBILE FRIENDLY

- ▲ Document doesn't use legible font sizes — 30.39% legible text
- ▲ Tap targets are not sized appropriately — 35% appropriately sized tap targets

Make sure your pages are mobile friendly so users don't have to pinch or zoom in order to read the content pages. Learn more.

ADDITIONAL ITEMS TO MANUALLY CHECK (1) Show

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

PASSED AUDITS (9) Show

NOT APPLICABLE (2) Show

PWA

These checks validate the aspects of a Progressive Web App. Learn more.

INSTALLABLE

- ▲ Web app manifest or service worker do not meet the installability requirements — 1 reason

PWA OPTIMIZED

- ▲ Does not register a service worker that controls page and `start_url`
- ▲ Is not configured for a custom splash screen Failures: No manifest was fetched.
- ▲ Does not set a theme color for the address bar.
  Failures: No manifest was fetched, No `<meta name="theme-color">` tag found.
- Content is sized correctly for the viewport
- Has a `<meta name="viewport">` tag with `width` or `initial-scale`
- ▲ Does not provide a valid `apple-touch-icon`
- ▲ Manifest doesn't have a maskable icon No manifest was fetched

ADDITIONAL ITEMS TO MANUALLY CHECK (3) Show

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 Mar 8, 2022, 12:20 PM GMT+1
- Initial page load
- Emulated Moto G4 with Lighthouse 9.1.0
- Slow 4G throttling
- Single page load
- Using Chromium 98.0.4758.109 with devtools

Generated by **Lighthouse** 9.1.0 | File an issue

http://127.0.0.1:5500/index.html

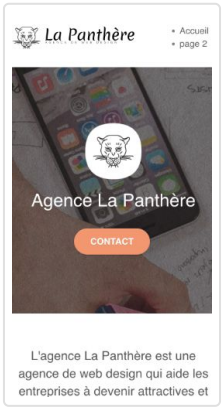
Performance	Accessibility	Best Practices	SEO
85	92	100	94

85

Performance

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

▲ 0–49 50–89 90–100

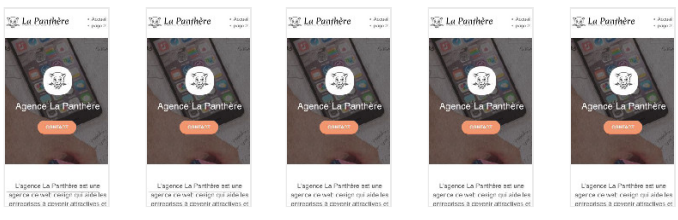


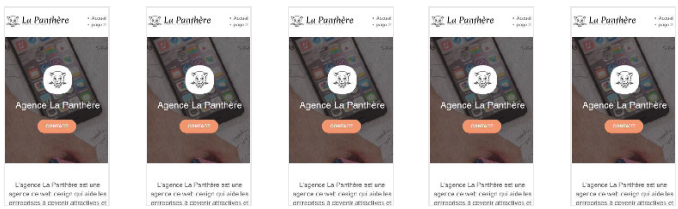
METRICS

Expand view

First Contentful Paint 1.2 s	Time to Interactive 1.2 s
Speed Index 1.2 s	Total Blocking Time 0 ms
▲ Largest Contentful Paint 4.3 s	Cumulative Layout Shift 0

View Original Trace | View Treemap





Show audits relevant to: All FCP TBT LCP CLS

OPPORTUNITIES

Opportunity	Estimated Savings
Eliminate render-blocking resources	0.53 s
Enable text compression	0.15 s

These suggestions can help your page load faster. They don't directly affect the Performance score.

DIAGNOSTICS

- Avoid chaining critical requests — 4 chains found
- Keep request counts low and transfer sizes small — 18 requests • 1,856 KiB
- Largest Contentful Paint element — 1 element found
- Avoid long main-thread tasks — 2 long tasks found

More information about the performance of your application. These numbers don't directly affect the Performance score.

PASSED AUDITS (33)

Show

Accessibility

These checks highlight opportunities to improve the accessibility of your web app. Only a subset of accessibility issues can be automatically detected so manual testing is also encouraged.

NAMES AND LABELS

- ▲ Links do not have a discernible name

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.

NAVIGATION

- ▲ Heading elements are not in a sequentially-descending order

These are opportunities to improve keyboard navigation in your application.

ADDITIONAL ITEMS TO MANUALLY CHECK (10) Show

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

PASSED AUDITS (11) Show

NOT APPLICABLE (31) Show

Best Practices

TRUST AND SAFETY

- Ensure CSP is effective against XSS attacks

PASSED AUDITS (14) Show

NOT APPLICABLE (2) Show

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.

MOBILE FRIENDLY

- Tap targets are not sized appropriately — 31% appropriately sized tap targets

Make sure your pages are mobile friendly so users don't have to pinch or zoom in order to read the content pages. Learn more.

ADDITIONAL ITEMS TO MANUALLY CHECK (1) Show

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

PASSED AUDITS (11) Show

NOT APPLICABLE (2) Show

- Captured at Mar 8, 2022, 2:26 PM GMT+1
- Initial page load
- Emulated Moto G4 with Lighthouse 9.1.0
- Slow 4G throttling
- Single page load
- Using Chromium 98.0.4758.109 with devtools

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