http://127.0.0.1:5503/front/pages/marvelProducts.html   ⋮

89	**89**	**83**	**92**	**PWA**
Performance	Accessibility	Best Practices	SEO	PWA

89

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	Largest Contentful Paint
1.9 s	**3.6 s**
Total Blocking Time	Cumulative Layout Shift
0 ms	**0.056**
Speed Index	
1.9 s	

View Treemap   View Original Trace
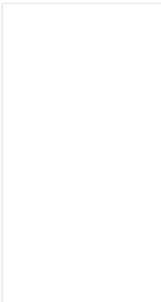
Show audits relevant to: All   FCP   LCP   TBT   CLS

OPPORTUNITIES

Opportunity	Estimated Savings
▲ Serve images in next-gen formats	3.45s ⌄
▲ Properly size images	2.10s ⌄
▲ Eliminate render-blocking resources	1.05s ⌄
○ Efficiently encode images	0.45s ⌄
○ Preload Largest Contentful Paint image	0.31s ⌄

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

DIAGNOSTICS

▲ Page prevented back/forward cache restoration — 1 failure reason	⌄
○ Avoid chaining critical requests — 9 chains found	⌄
○ Keep request counts low and transfer sizes small — 28 requests • 1,849 KiB	⌄
○ Largest Contentful Paint element — 3,560 ms	⌄
○ Avoid large layout shifts — 4 elements found	⌄
○ Avoid long main-thread tasks — 3 long tasks found	⌄

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

PASSED AUDITS (29)   Show

89

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.

NAVIGATION

⚠️ `[id]` attributes on active, focusable elements are not unique   ⌄

These are opportunities to improve keyboard navigation in your application.

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.

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 (12)   Show

NOT APPLICABLE (33)   Show

83

Best Practices

USER EXPERIENCE

⚠   Displays images with incorrect aspect ratio   ⌄

GENERAL

⚠   Browser errors were logged to the console   ⌄

TRUST AND SAFETY

○   Ensure CSP is effective against XSS attacks   ⌄

PASSED AUDITS (11)   Show

NOT APPLICABLE (2)   Show

92

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](#).

CONTENT BEST PRACTICES

⚠   Document does not have a meta description   ⌄

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

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

PWA

PWA

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

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`   ⌄

⚠ 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 Sep 24, 2023, 3:43 AM GMT-3 | Emulated Moto G Power with Lighthouse 10.3.0 | Single page load |
| Initial page load | Slow 4G throttling | Using Chromium 116.0.0.0 with devtools |

Generated by **Lighthouse** 10.3.0 | [File an issue](#)