Website Carbon & Performance Audit

URL: https://google.com

Green Hosting: Yes 🌿

Total Page Weight: 706.47 KB

Estimated CO_2 per Pageview: 0.06 grams

Carbon Rating: A

🌿 Green Score: 78/100

Performance Score: 45

Recommendations for Improving Carbon Footprint:

- Use a CDN and Caching: A Content Delivery Network (CDN) and caching can significantly reduce data transfer.
- Choose Efficient Fonts: Use system fonts or self-host optimized font files to avoid large font transfers.
- Choose Green Hosting: Select a hosting provider that uses renewable energy sources.
- Consider Optimizing Images: Use compression tools and resize images for better performance.
- Consider Minifying Files: Small optimizations to your CSS and JavaScript can help reduce page weight.

Lighthouse Report

https://www.google.com/

45
Performance

88
Accessibility

100
Best Practices

82
SEO

There were issues affecting this run of Lighthouse:

- **The page may not be loading as expected because your test URL (https://google.com/) was redirected to https://www.google.com/. Try testing the second URL directly.**

45

Performance

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

▲ 0–49   ■ 50–89   ● 90–100
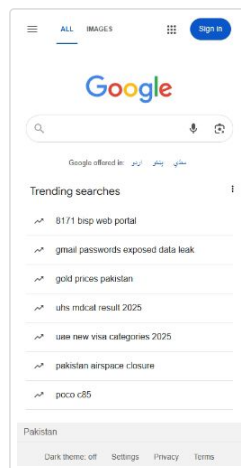
METRICS

Expand view

■ First Contentful Paint	▲ Largest Contentful Paint
2.3 s	**10.7 s**
▲ Total Blocking Time	● Cumulative Layout Shift
1,120 ms	**0.015**

■ Speed Index
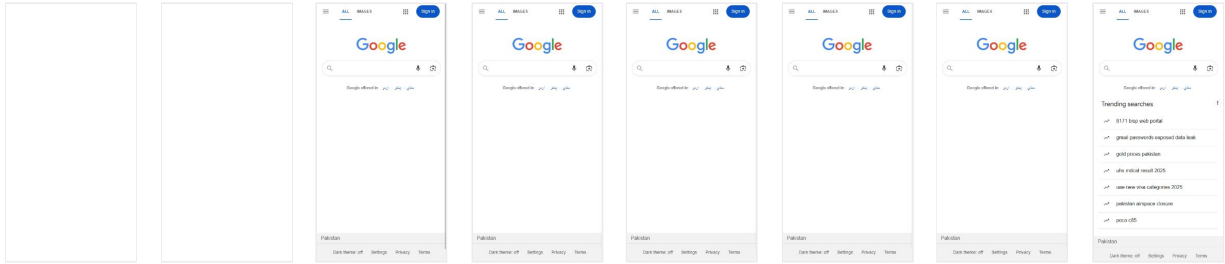
5.6 s

Show audits relevant to: All   FCP   LCP   TBT   CLS

INSIGHTS

▲	Document request latency — Est savings of 590 ms	⌄
▲	Network dependency tree	⌄
○	Layout shift culprits	⌄
○	LCP breakdown	⌄
○	3rd parties	⌄

These insights are also available in the Chrome DevTools Performance Panel - record a trace to view more detailed information.

DIAGNOSTICS

▲	Minimize main-thread work — 3.7 s	⌄
▲	Reduce JavaScript execution time — 2.0 s	⌄
▲	Reduce unused JavaScript — Est savings of 315 KiB	⌄
■	Reduce unused CSS — Est savings of 11 KiB	⌄
○	Avoid long main-thread tasks — 11 long tasks found	⌄
○	User Timing marks and measures — 12 user timings	⌄

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

PASSED AUDITS (22)   Show

88

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.

ARIA

▲	ARIA input fields do not have accessible names	⌄
▲	Uses ARIA roles on incompatible elements	⌄

These are opportunities to improve the usage of ARIA in your application which may enhance the experience for users of assistive technology, like a screen reader.

TABLES AND LISTS

▲	Lists do not contain only `<li>` elements and script supporting elements (`<script>` and `<template>`).	⌄

These are opportunities to improve the experience of reading tabular or list data using assistive technology, like a screen reader.

BEST PRACTICES

▲	Touch targets do not have sufficient size or spacing.	⌄

These items highlight common accessibility best practices.

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 (21)　　　　　　　　　　　　　Show

100

Best Practices

TRUST AND SAFETY

○   Ensure CSP is effective against XSS attacks   ⌄

○   Use a strong HSTS policy   ⌄

○   Ensure proper origin isolation with COOP   ⌄

○   Mitigate DOM-based XSS with Trusted Types   ⌄

GENERAL

○   Detected JavaScript libraries   ⌄

▲   Missing source maps for large first-party JavaScript   ⌄

PASSED AUDITS (14)   Show

NOT APPLICABLE (2)   Show

82

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.

CRAWLING AND INDEXING

▲   Links are not crawlable   ⌄

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 (6)   Show

NOT APPLICABLE (2)   Show

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