

Website Carbon Footprint Report: co2.observer

B

This report evaluates the environmental efficiency of the website co2.observer. The site is hosted by Cloudflare on a server that runs on sustainable energy. Each view of the website produces an estimated 0.11 g of CO₂, or 0.062 L in terms of volume.

Grade	B
CO ₂ per page view	0.11 g
CO ₂ per visit (with caching)	0.09 g
Page weight	937.3 kB
Green hosting	Yes (Cloudflare)
Performance score	81/100

Page Size and Performance Score

The total size of the web page is 937.3 kB. It receives a Lighthouse performance score of 81%. Given all this information, we've graded the site B on a fixed A+ to F scale based on CO₂ emitted per page view.

Carbon Production and Traffic Estimate

About 0.11 g of CO₂ is produced every time someone visits this web page - roughly 0.09 g per visit once returning visitors and browser caching are taken into account. If there are approximately 1,000,000 visits per year to co2.observer, it would produce as much CO₂ as about 0.019 cars driven for a year.

To put this into perspective with a fun fact: it would take around 264,456 page views to produce a quantity of CO₂ equivalent to the weight of a labrador!

Credit Offset

If there were around 10,000 visits per month to this site, it would require about 0.4 trees planted annually to offset its CO₂ production.

Improvements and Best Practices

The largest contributors to this page's transfer size are images (807.4 kB), fonts (98.4 kB), CSS (12.4 kB). Reducing these is the most direct way to lower the page's carbon footprint.

There is clear room to reduce this page's footprint, such as compressing and lazy-loading images, removing unused CSS and JavaScript, minimising redirects and improving server response times.

General best practices include reducing HTTP requests by combining files, minifying and compressing assets, caching files, serving modern image formats and using a content delivery network to deliver files from servers close to your visitors. Choosing a green hosting provider offsets the datacenter's share of emissions entirely.

Page Snapshot

Captured by Lighthouse during the scan on 22 October 2026.



Website CO2 Calculator

We provide you with valuable insights into the performance and environmental impact of your website. By utilizing our scanner, you can test your websites to receive a comprehensive analysis, as well as a detailed assessment of the website's carbon footprint.

Scanned websites: **1,191,815**

By utilizing this carbon calculator, you consent to the storage and publication of the information you provide in our public database. [Read more](#). Try our kWh to CO2 calculator [here](#).

At long last, we've reached our goal of scanning 1,000,000 websites! Thank you for your all your support! 🎉🥳🎊 [Read more..](#)