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```

sequenceDiagram
    participant Client
    participant Server
    participant Authenticator

    Client->>Server: Get a challenge
    Server-->>Client: Receive challenge
    Client->>Authenticator: Send challenge to use for signing
    Authenticator-->>Client: Return signature
    Client->>Server: Send signature
    Server-->>Client: Server verifies signature
    Server-->>Client: Successfully verified
    
```

Passkeys: What the Heck and Why?

These things called passkeys sure are making the rounds these days. They were a main attraction at W3C TPAC 2022, gained support in Safari 16, are finding their way into macOS and iOS, and are slated to be the future for password managers like 1Password. They are already supported in Android, and will soon find their way into Chrome OS and Windows in [...]

Neal Fennimore on Apr 12, 2023

- Article on Jan 25, 2023

Animating CSS Grid To + Examples

ANIMATION GRID GRID-TEMPLATE COLUMNS GRID-TEMPLATE
- Article on Jan 23, 2023

More Real-World :has()

:HAS
- Article on Jun 22, 2022

Different Ways to CSS in React

REACT
- Article on Jan 11, 2023

:has is an unforgiving selector

:HAS :IS :WHERE SPECIFICITY
- Article on Jan 17, 2023

6 Common SVG How to Fix

SVG

CSS-Tricks Carbon Footprint Report

At CSS-Tricks, we are dedicated to ensuring our website is as environmentally friendly as possible. We are excited to share the results of our carbon footprint assessment with you. This report will provide you with an analysis of our website’s carbon footprint, as well as some recommendations for improving it.

Overview

CSS-Tricks is hosted by Cloudflare, Inc., on a server that runs on sustainable energy. Each view produces an estimated 0.33g of CO₂, or 0.186L in terms of volume. The total size of the page is 1.64 MB and thus impressively, it ranks better in environmental efficiency than 63% of web pages we've scanned! It also receives a performance score of 94%. Given all this information, we've graded the site A-.

Environmental Impact

The estimated carbon footprint of CSS-Tricks is 0.33g of CO₂ per view, or 0.186L in terms of volume. This equates to approximately .4 cars worth of CO₂ generated annually. In terms of animals, this is

the equivalent of 5 asian elephants per year.

Our scan suggests that css-tricks.com receives 5.00M visits every month. As such, it'll take 803 trees annually to offset the co2 production.

Suggested Improvements

While CSS-Tricks has performed well in our assessment, there are still opportunities for improvement. Here are some general website optimization best practices to help reduce the site's carbon footprint:

- Minimize the use of external scripts and plugins to reduce the amount of data transferred.
- Compress images and videos to reduce file size and improve loading times.
- Reduce page redirects to avoid additional requests.
- Enable browser caching to reduce the amount of data that needs to be downloaded.
- Optimize HTML, CSS, and JavaScript code for faster loading.
- Implement lazy loading for images and videos to reduce page size.

By following these best practices, you can help reduce the carbon footprint of CSS-Tricks and make the web a greener place.