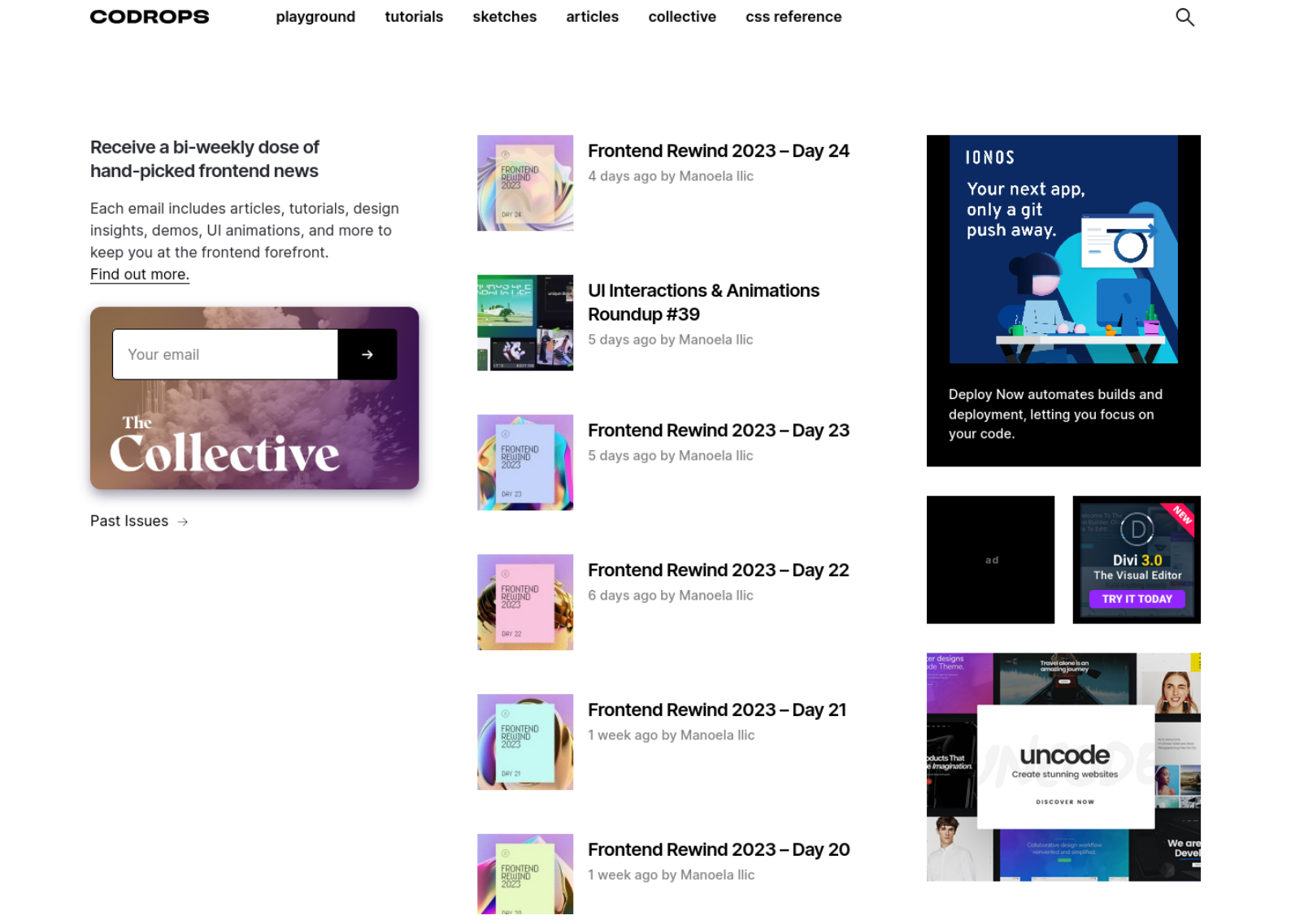

Website Carbon Footprint Report: tympanus.net/codrops/

This report provides an assessment of the carbon footprint associated with visits to the website tympanus.net/codrops/. The data presented here are based on a detailed analysis and grading of the site's environmental efficiency and performance.

About the Website

Tympanus.net/codrops/ is hosted by sourcedns. Unfortunately, it does not run on sustainable energy. Each view produces an estimated 0.22g of CO2 or 0.12L in terms of volume. Despite this, the total size of the page is impressively efficient at only 981.67 KB.

Environmental Efficiency

The environmental efficiency grade for this site is better than 73% of web pages we've scanned! This scoring means that it has a lower carbon footprint per visit compared to many others.

Performance Score

The website's performance score is also impressive at 77%. This score indicates how well-designed and optimized the website is from a technical perspective.

Overall Grade

Taken together, these factors contribute to a final grade for the site of B+. There are still improvements to be made in both reducing its carbon footprint and optimizing its performance.

Suggestions for Improvement:

- Migrate to a green hosting provider that runs on sustainable energy.
- Optimize the website design and content to further reduce its size and loading times.

Website Traffic and Carbon Impact

The website is estimated to receive 672,000 visits every month or approximately 8.06M visits annually. This traffic volume equates to the CO2 generated by 0.377 cars, or in terms of biomass, it's equivalent to 0.43 Asian elephants annually. To offset this carbon production, it would take planting 69 trees each year.

Website Optimization Best Practices

Beyond transitioning to green hosting, there are several ways websites can be optimized to reduce their environmental impact. These include reducing the total size of the website through efficient coding practices and optimizing images and other media files for web use. Using a Content Delivery Network (CDN) can also help decrease load times and thus reduce energy usage.

In addition, employing caching techniques and lazy loading for images are also effective strategies for improving site performance while reducing resource consumption. Lastly, regular monitoring of site performance metrics can help identify opportunities for optimization and ensure that a site remains as efficient as possible over time.