

# Your Impact Report

Report for:  
https://ruf-webdesign.de/home

## Performance Impact

### Ecograder Score

# 98

Out of 100 ⓘ

### Emissions per Pageload

# 0.08

grams of carbon dioxide ⓘ



This page scores better than 93% of all URLs crawled by Ecograder

Wenn du aktuell für ruf-webdesign.de einen live Ecograder-Test am besten mit Google Chrome durchführst, wird das Ergebnis vermutlich von dem hier erzielten Ergebnis (Stand 05.01.2024) abweichen. Das liegt darin begründet, dass Google jüngst Änderungen an den Lighthouse-Metriken vorgenommen hat. Ecograder prüft derzeit Auswirkungen der Lighthouse-Updates auf die Ecograder-Bewertungen und wird seinen Bewertungsalgorithmus ggf. aktualisieren.

Ecograder scores pages based on a variety of performance, efficiency, and user experience factors as well as emissions estimates and green hosting powered by renewable energy.

### Page Weight

33% of score

## 100



### UX Design

17% of score

## 99



### Green Hosting

17% of score

## 100



# Climate Impact

## Digital Carbon Rating



**A+** **(A+)** A B C D E

Ecograder's digital carbon rating system gives this URL an "A+" on a scale of A to E.

## Page Emissions



**0.08 g**

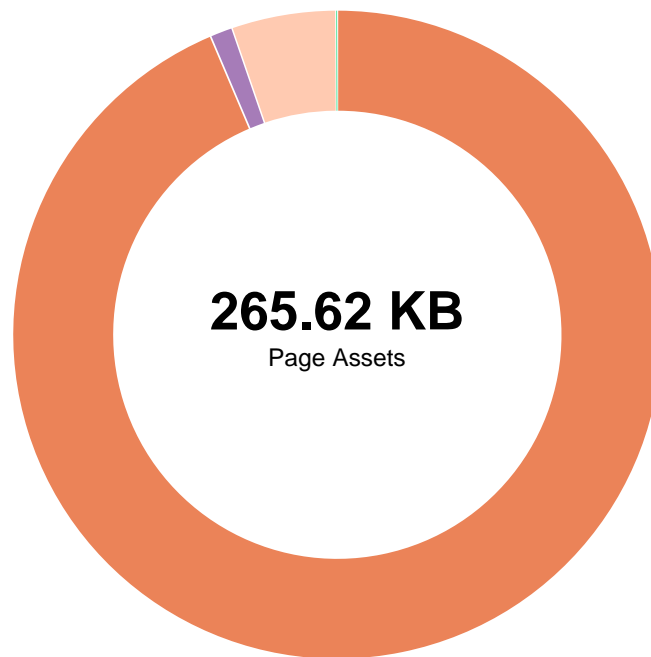
Assuming your page gets  pageviews, you're emitting **80.00 grams** of carbon dioxide.

## Page Weight



**265.62 KB**

This page is 156.91% smaller than the average web page.



Scripts and media assets contribute to your page's emissions estimate but they aren't the only factor. The chart below breaks down estimated emissions impact per page view of individual asset types at this URL.

**Images:** 249.14 KB, 0.0773 g of CO2e

**Scripts:** 2.81 KB, 0.0009 g of CO2e

**HTML/CSS:** 13.68 KB, 0.0042 g of CO2e

**Other:** 0 bytes, 0.0000 g of CO<sub>2</sub>e



# How to Improve Your Site

Use the list below to improve your website and reduce emissions in three key areas: performance, user experience, and green hosting.

33% OF SCORE

## 1 Page Weight

By compressing image file size and removing unused items from a page you'll not only reduce emissions but faster-downloading pages make users happier as well. Below are some things you can do to reduce the size of this page.

**100**  
out of 100



### Optimize Media

**100** OUT OF 100

Images, video, and animation are often the largest media assets on a page. By optimizing these files, you can decrease load time and reduce emissions.

**Efficient Animated Content** **100 / 100**

This page scored 100 out of 100 for its use of efficient animated content. Keep up the great work!

**Modern Image Formats** **100 / 100**

Nice work! All the images on this page use modern image formats like AVIF and WebP, which are optimized to download quickly across devices and platforms, reducing both emissions and data use.

Click the Details tab to learn more.

**Uses Optimized Images** **100 / 100**

Nicely done! All the images on this page are optimized to speed up download times, improve page performance, and reduce emissions.

#### Additional Resources

[Learn how to use imagery efficiently](#)



### Reduce Overall Page Weight

**100** OUT OF 100

Webpages that use unnecessary scripts, media, or other elements can slow down page performance, frustrate users, and increase both download times and emissions. Make sure you serve fast, lightweight pages to users by removing any unnecessary elements. Learn more about how to do this in the recommendations below.

**Unused Javascript** **100 / 100**

Well done! There is no unused JavaScript on this page.

**Unused CSS Rules** **100 / 100**

Well done! There are no unused CSS Rules on this page.

**Total Byte Weight** **100 / 100**

Nice Job! This page scores 100 for page weight.

**Total Byte Weight: Scanned Items**

URL	Transfer Size
https://ruf-webdesign.de/assets/images/p/webentwicklung-desktop-3w759p430bknhv5.we...	39217
https://ruf-webdesign.de/assets/images/7/code-desktop-jy3pxhg18thnabj.webp	35419
https://ruf-webdesign.de/files/img/portrait-ralf-alexis-ruf-home.webp	28235
https://ruf-webdesign.de/assets/images/1/orange-animation-e3bjkxcxwbyae2r.svg	27830
https://ruf-webdesign.de/assets/images/q/zielscheiben-smartphone-links-jy9v6hskxdf385q...	22173
https://ruf-webdesign.de/files/img/webdesign-auf-den-punkt-gebracht.svg	17482
https://ruf-webdesign.de/files/img/webdesign-auf-den-punkt-gebracht-dark-mode.svg	17470
https://ruf-webdesign.de/assets/images/x/contao-manager-tablet-vts06qmpqyc128m.webp	16555
https://ruf-webdesign.de/files/img/blume.svg	7596
https://ruf-webdesign.de/assets/css/layout.min.css,responsive.min.css,01-normalize-min....	7005

Additional Resources

[Learn how page weight budgets can help you reach sustainability goals](#)



Remove Unused Code

**100** OUT OF 100

Plugins, widgets, and third-party frameworks often introduce unnecessary code snippets into your page which can adversely impact download speed and performance.

**Unminified CSS** **100 / 100**

Well done! All the CSS associated with this page has been optimized. Minifying scripts removes extra characters, improving page download speeds and reducing both data usage and emissions.

**Unused CSS Rules** **100 / 100**

We did not detect any unused CSS Rules on this page.

**Unminified Javascript** **100 / 100**

Well done! All JavaScript associated with this page has been minified.

**Duplicated Javascript** **100 / 100**

We did not detect any duplicated JavaScript on this page.

Minifying scripts removes extra characters, improving page download speeds and reducing both data usage and emissions.

**Unused Javascript** **100 / 100**

We did not detect any unused JavaScript on this page.

**Legacy Javascript** **100 / 100**

We did not detect any outdated JavaScript scripts on this page.

**Uses Text Compression** **100 / 100**

It appears as though this page uses compression to deliver text-based resources. Good work.

Additional Resources

[Read more about how to find and remove unused scripts and code](#)



Properly size images

**99** OUT OF 100

Serve images that are appropriately-sized to save cellular data and improve load time.

**Responsive images** **99 / 100**

This page could save 40 ms because images are larger than what is actually served to website visitors. It scored 99 out of 100 for properly sized images. You're doing great, but there's always room to improve. You can potentially save 39146 bytes by properly sizing images.

**Responsive images: Opportunities for Improvement**

URL	Resource Size	Potential Savings
https://ruf-webdesign.de/assets/images/p/webentwicklung-desktop-3w...	38848	20020
https://ruf-webdesign.de/assets/images/7/code-desktop-jy3pxhg18thn...	35050	19126

Additional Resources

[Learn more about why properly sized images are important](#)



## Remove duplicate modules in JavaScript bundles

100 OUT OF 100

Remove large, duplicate JavaScript modules from bundles to reduce unnecessary bytes consumed by network activity.

Duplicated Javascript

100 / 100

Nice job! We didn't detect any duplicate modules in JavaScript bundles, which means your visitors are receiving an optimized page experience.

## Additional Resources

[Read why removing javascript makes your website more efficient](#)



## Reduce the impact of third party code

100 OUT OF 100

Third-party code can significantly impact load performance. Limit the number of redundant third-party providers and try to load third-party code after your page has primarily finished loading.

Third party code

100 / 100

Nice job! You limited the number of third-party providers on this page.

## Additional Resources

[Learn more about the hidden cost of third-party code](#)

17% OF SCORE

2

## UX Design

Creating an accessible user experience that is free from barriers or intrusions helps people find what they need and accomplish tasks quickly. This is important because end consumer device use can potentially account for up to 52% of a digital product or service's overall emissions. Here are a few recommendations for providing your users with a better experience.

100

out of 100



## Improve Page Rendering

96 OUT OF 100

Studies have shown that users leave pages that don't display content quickly. "Above-the-fold" page content should render on a user's device in 2.5 seconds or less. This is especially crucial in low-bandwidth areas and for users with older devices.

### Render Blocking Resources

91 / 100

You scored 91 out of 100 for using scripts or stylesheets that slow down page render time. This is a good score, but you can still improve this by optimizing the URLs listed below.

### Largest Contentful Paint

97 / 100

This page scored 97 out of 100 based on how quickly this page displays content. This is pretty good. You can improve this score by identifying elements that impede page rendering. Based on Ecograder's calculations, there are 28 on this page that could potentially slow down page renders. It looks like you have optimized most of them.

### Render Blocking Resources: Opportunities for Improvement

URL	Transfer Size	Potential Savings
https://ruf-webdesign.de/assets/css/layout.min.css,responsive.min.css...	7005	150

#### Additional Resources

[Learn more about how Core Web Vitals improves user experience](#)



## Page Interactions

100 OUT OF 100

Pages that respond slowly or don't respond as expected to user interactions—like button clicks, taps, key presses, form inputs, and so on—use more energy and frustrate users. This can be attributed to a number of things, some of which are outlined here.

### Cumulative Layout Shift

100 / 100

Nice work. This page scored 100 for no detectable page layout shifts. Page elements that shift while a user interacts with them are not only annoying but can potentially waste energy too. This is especially true if a user must redo tasks because of shift-induced mistakes they made.

### Offscreen Images

100 / 100

Great work. All the images on this page have been lazy loaded.

### Max Potential First Input Delay

100 / 100

Nice work. We couldn't detect any interaction delays.

#### Additional Resources



[Learn how Google's Core Web Vitals and sustainability go hand-in-hand](#)



## Optimize Content for Search

100 OUT OF 100

Pages that employ SEO best practices help people more quickly find content, reducing energy used while searching. Search-optimized pages also tend to be more accessible and work across a wider array of devices and platforms. This reduces the amount of energy (and frustration) users expend when barriers exist.

SEO Score

100 / 100

Since search is contextual, it is difficult to estimate precisely how much good SEO practices reduce page-based emissions. Google says a single search can power a lightbulb for 17 seconds. However, given the global volume of daily searches, anything you can do to reduce energy expended by helping people more quickly find content is useful.

### Additional Resources

[More information on SEO and sustainability](#)



## Accessibility

100 OUT OF 100

Accessible pages tend to work across a wider array of devices and platforms, including assistive technologies used by people with disabilities. Prioritizing accessibility reduces the amount of energy (and frustration) users expend when barriers exist. Plus, it's just the right thing to do.

Accessibility Score

100 / 100

An automated crawler like Ecograder can only catch about one-third of total possible accessibility issues on any given page. Plus, emissions estimates related to the ecological impact of accessible content are difficult to quantify. However, truly sustainable solutions are good for people and planet. Because of this, we include web accessibility in Ecograder's scoring algorithm.

### Additional Resources

[Read more about web content, accessibility, and sustainability](#)



## Serve static assets with an efficient cache policy

100 OUT OF 100

A long cache lifetime can speed up repeat visits to your page.

**Long cache** **100 / 100**

Well done! You are using an efficient cache policy on static assets.

Additional Resources

[Learn more about an efficient cache policy](#)



Image elements do not have explicit width and height

**100** OUT OF 100

Set an explicit width and height on image elements to reduce layout shifts and improve CLS.

**Unsize images** **100 / 100**

Nice job! Your images have explicit width and height attributes set. This helps to prevent cumulative layout shift, which improves user experience and search rankings.

Additional Resources

[Read why setting width and height on images benefits your users](#)



Reduce server response times (TTFB)

**100** OUT OF 100

Keep the server response time for the main document short because all other requests depend on it.

**Reduce server response times (TTFB)** **100 / 100**

Great job! The Time to First Byte (TTFB) is 119 ms, providing your users with a better experience which also helps your page rank better.

**Reduce server response times (TTFB): Opportunities for Improvement**

URL	Time Spent
https://ruf-webdesign.de/home	119

## Additional Resources

[Read more about server response time](#)

## Avoid an excessive DOM size

100 OUT OF 100

A large DOM will increase memory usage, cause longer style calculations, and produce costly layout reflows.

Dom Size 100 / 100

Great job. Your DOM size is optimized.

## Dom Size: Scanned Items

Statistic	Value
Total DOM Elements	258
Maximum DOM Depth	13
Maximum Child Elements	19

## Additional Resources

[More information about DOM size](#)

## Avoid multiple page redirects

100 OUT OF 100

Page redirects cause slower page speeds. Pages are flagged if they have two or more redirects. To prevent this, look at the list of redirects and update links to point directly to each resource's actual location. This will cut out unnecessary redirecting and reduce load times.

Page redirects 100 / 100

Great job. Your page doesn't contain two or more redirects and is optimized for load time based on pointing your resources directly to the actual location.

## Additional Resources

[Read more about how redirects impact page speed](#)



## Minimize main-thread work

100 OUT OF 100

Consider reducing the time spent parsing, compiling and executing JS. You may find delivering smaller JS payloads helps with this.

Main-thread work

100 / 100

Fantastic! Your main thread was busy for 0.3 s. Any time less than four seconds is ideal and means your users can interact with your page quickly.

## Main-thread work: Scanned Items

Category	Time Spent
Other	145.493000000000082
Rendering	109.96500000000005
Style & Layout	36.37199999999998
Script Evaluation	8.041999999999986
Parse HTML & CSS	5.845999999999999
Script Parsing & Compilation	1.2940000000000003

## Additional Resources

[Learn more about how to minimize main thread work](#)



## Use passive listeners to improve scrolling performance

100 OUT OF 100

Consider marking your touch and wheel event listeners as 'passive' to improve your page's scroll performance.

Passive event listeners

100 / 100

Great job! Your page does not use "active" touch and wheel event listeners, which can hurt your page's scroll performance.

## Additional Resources

[Learn more about passive listeners](#)



### Preconnect to required origins

100 OUT OF 100

Consider adding 'preconnect' or 'dns-prefetch' resource hints to establish early connections to important third-party origins.

**Preconnect to required origins** **100 / 100**

Sweet! You scored 100 out of 100. Your page is set up to establish early connections to important third-party origins, which optimizes your page load speed.

Additional Resources

[Learn more about establishing early connections to third-party origins](#)



### Reduce Server Requests

100 OUT OF 100

Every time your page makes a server request, energy is required to transfer and display data. Reducing the number of requests your pages make can improve performance and reduce emissions.

**Total Byte Weight** **100 / 100**

Nicely done. You scored 100 out of 100.

**Total Byte Weight: Scanned Items**

URL	Transfer Size
https://ruf-webdesign.de/assets/images/p/webentwicklung-desktop-3w759p430bknhv5.we...	39217
https://ruf-webdesign.de/assets/images/7/code-desktop-jy3pxhg18thnabj.webp	35419
https://ruf-webdesign.de/files/img/portrait-ralf-alexis-ruf-home.webp	28235
https://ruf-webdesign.de/assets/images/1/orange-animation-e3bjkxcxwbyae2r.svg	27830
https://ruf-webdesign.de/assets/images/q/zielscheiben-smartphone-links-jy9v6hskxdf385q...	22173
https://ruf-webdesign.de/files/img/webdesign-auf-den-punkt-gebracht.svg	17482
https://ruf-webdesign.de/files/img/webdesign-auf-den-punkt-gebracht-dark-mode.svg	17470
https://ruf-webdesign.de/assets/images/x/contao-manager-tablet-vts06qmpqyc128m.webp	16555
https://ruf-webdesign.de/files/img/blume.svg	7596
https://ruf-webdesign.de/assets/css/layout.min.css,responsive.min.css,01-normalize-min...	7005

Additional Resources

[Learn more about HTTP requests](#)

17% OF SCORE

3

## Green Hosting

Choosing a web host that powers its servers with renewable energy can reduce your digital product or service's environmental impact by an estimated 15%. But not all renewable energy is created equal. If possible, choose a hosting partner that directly powers their data centers with renewables versus one that purchases offsets or unbundled renewable energy credits (RECs).

100

out of 100



Green Hosting

100 OUT OF 100

Powering servers with renewable energy is an important choice to measurably reduce your product or service's environmental impact.

**Green Hosting** **100 / 100**

Excellent! It looks like this page uses a web host that powers its servers with renewable energy.

### Additional Resources

Find a green web host in [The Green Web Foundation's hosting directory](#).

More information on the [difference between RECs and renewable energy](#)

## Why Should You Care?

In addition to helping you reduce emissions and learn more about your website's environmental impact, the information in this report will also improve your website in the following ways.

### Page Weight

100 out of 100

Poor-performing websites frustrate users, increase emissions, cost more money, and can influence important marketing metrics, like search engine performance and page conversions.

### UX Design

100 out of 100

End-user devices significantly contribute to the internet's environmental impact. Good UX design practices reduce energy, improve accessibility, and help users accomplish tasks quickly and easily.

### Green Hosting

100 out of 100

Where you host your data matters. Find a web host or cloud provider that powers their data centers with 100% renewable energy. This could potentially reduce emissions by up to 30%.

## Next Steps

This Ecograder report provides high-level information to start improving your website's environmental impact. To take more meaningful action, consider one of these options.

### Share

Share this report with a colleague via email or to a social media feed.

### Learn

Check out the Sustainable Web Design site to learn more about this topic.

### Assess

Run a full digital life cycle assessment (DLCA) to get the complete picture.

[Home](#) [How it Works](#) [Privacy Policy](#) [Get in Touch](#) [Crawl & Reporting Errors](#)

Created by the team at

Portions of this report use data provided by [The Green Web Foundation](#) and [Lighthouse](#).