# Making your website more sustainable

Q&A with Tom Greenwood

Andy Leitch, 4th July, 2023



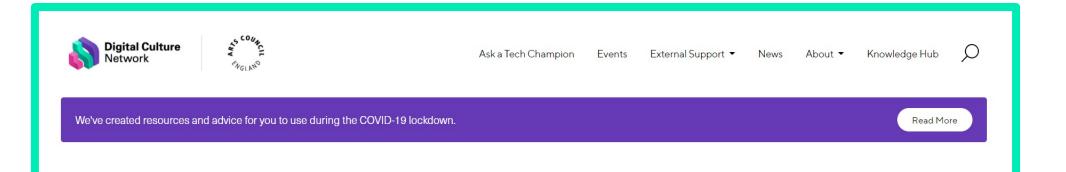




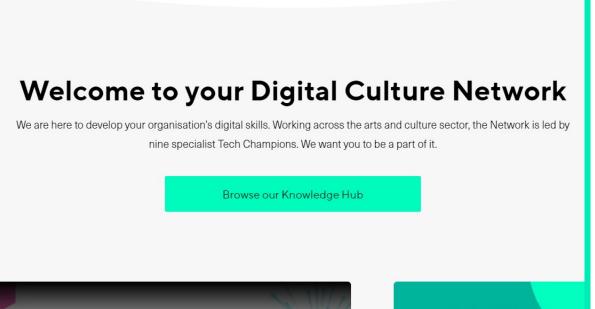
## Welcome Before we get started

- 1. Today's webinar is scheduled to last 1 hour including Q&A
- 2. Captions will be provided
- 3. This webinar is being recorded and will be available on the website alongside additional resources within 7 days
- 4. Say hello in the chat (select "Everyone" from the dropdown) and ask questions using the Q+A button. You can also use the reaction buttons!

#### digitalculturenetwork.org.uk



#### Digital skills for the arts









Beginner Read

Video and Digital Content

#### Podcasting and how to get started

This resource provides information and advice on making podcasts. As well as considerations for generating content, it contains guidance on hardware, software, and distribution methods.

#### **Engaging Audiences with Social Media**

Whilst your audiences, participants or stakeholders may not be able to engage with you physically at the moment, you can still reach people through social media.

Introduction to Social Media

Social media is a unique and powerful way to help your organisation thrive and engage with your audience. Read on to find out more.

Marc

Marc Burns · 2 months ago



Beginner Read

Social Media

Haydn Corrodus · 2 months ago



Social Media

Haydn Corrodus · 4 months ago







Knowledge Hub

#### What you will learn today

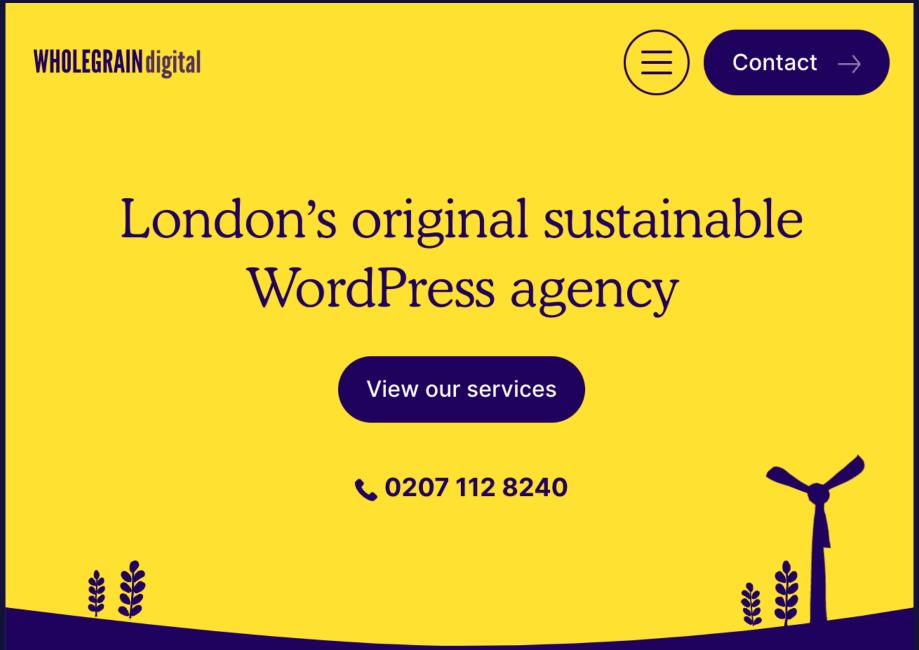
- Why web and digital sustainability matters
- How to judge if your website is eco-friendly
- How to make your website more sustainable and reduce your digital carbon footprint

#### Running order

- Introducing Tom
- The carbon problem
- What is sustainable web design?
- How eco-friendly is your website?
- What is green hosting?
- Optimising images and video
- Other website sustainability tips
- Q&A

### Introducing Tom Greenwood



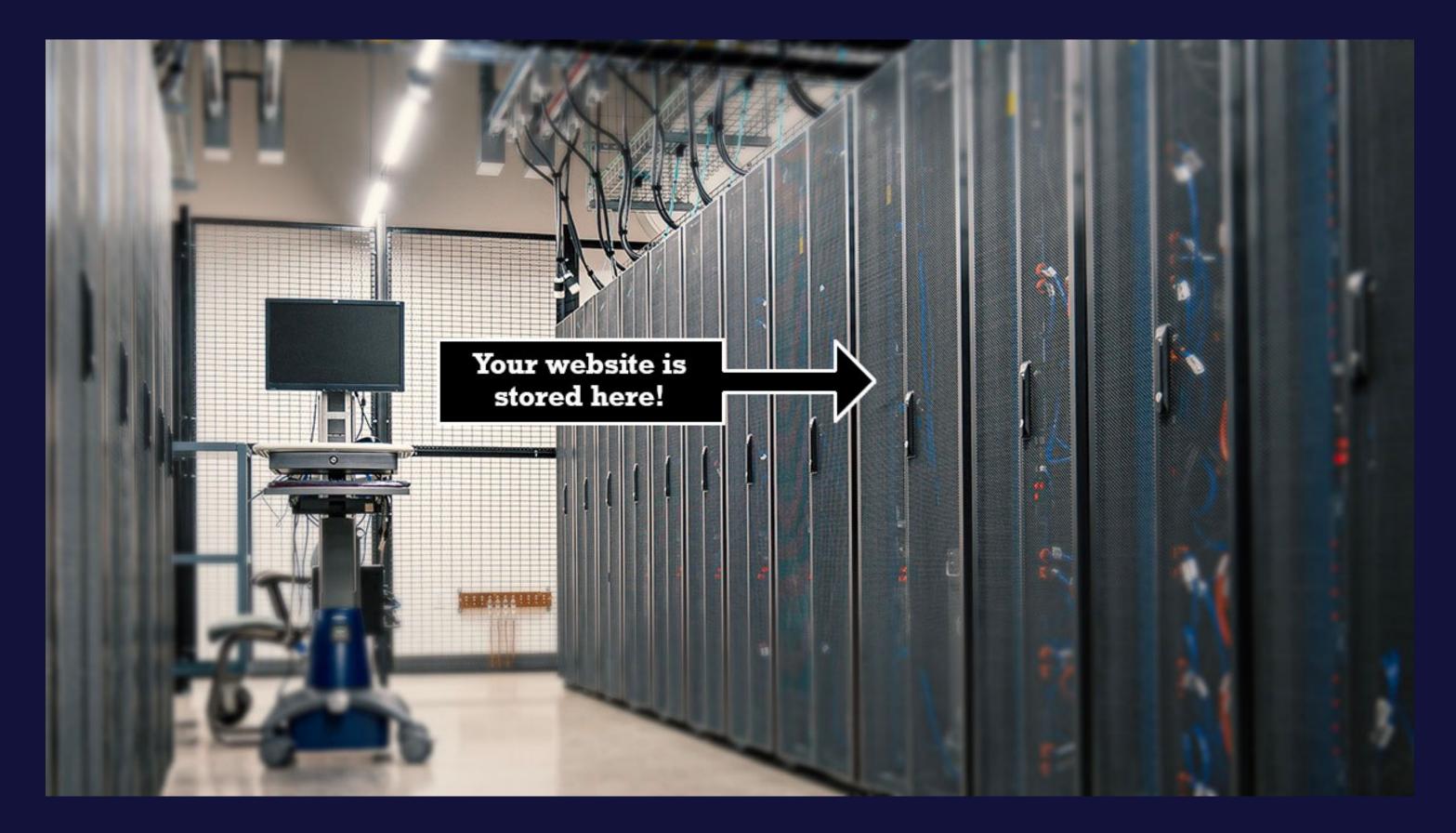


#### The carbon problem

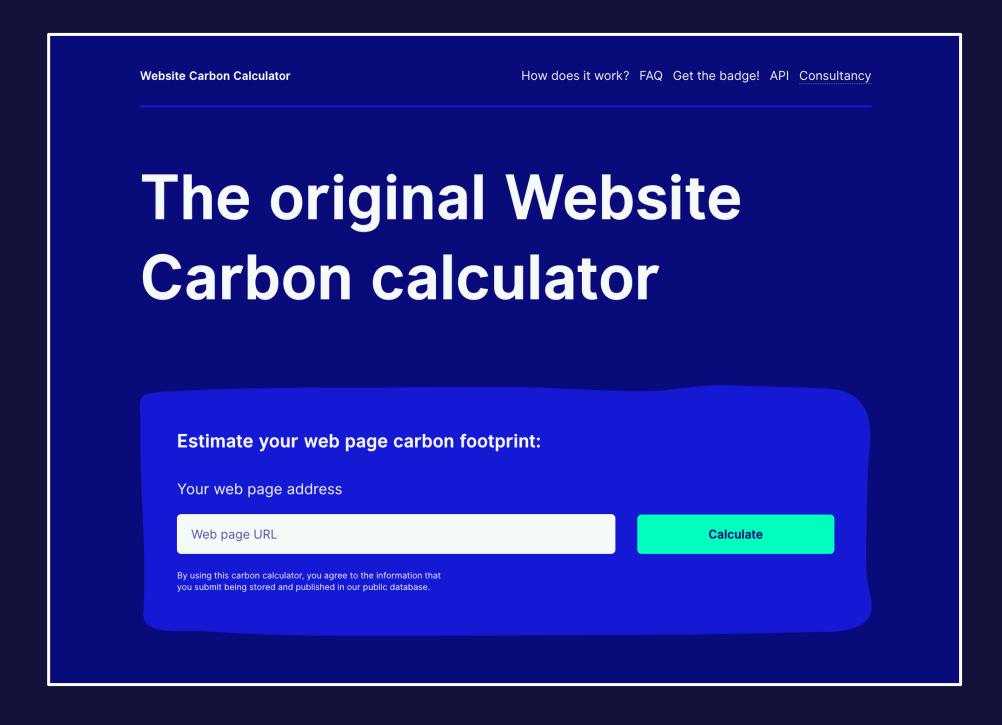
The carbon footprint of our gadgets, the internet and the systems supporting them account for about 3.7% of global greenhouse emissions\*

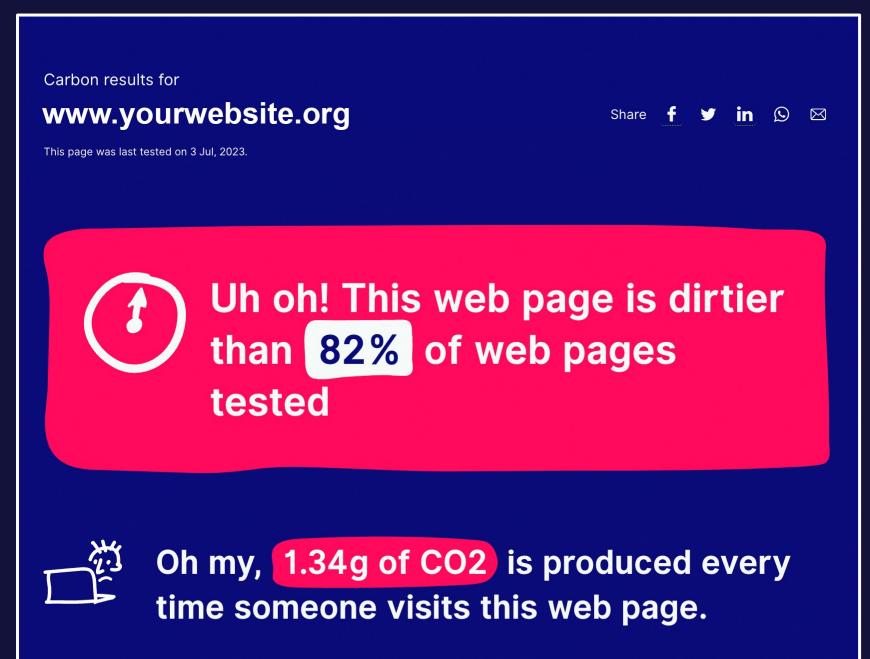


#### What is sustainable web design?



### How eco-friendly is your website?



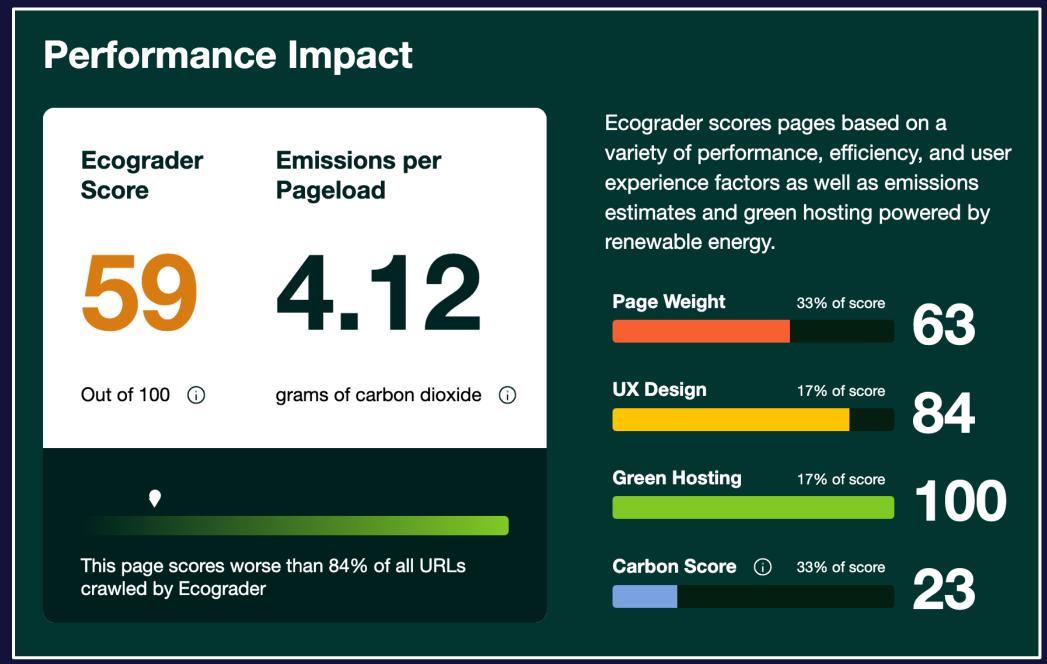


www.websitecarbon.com

Webpage sustainability results

#### How eco-friendly is your website?

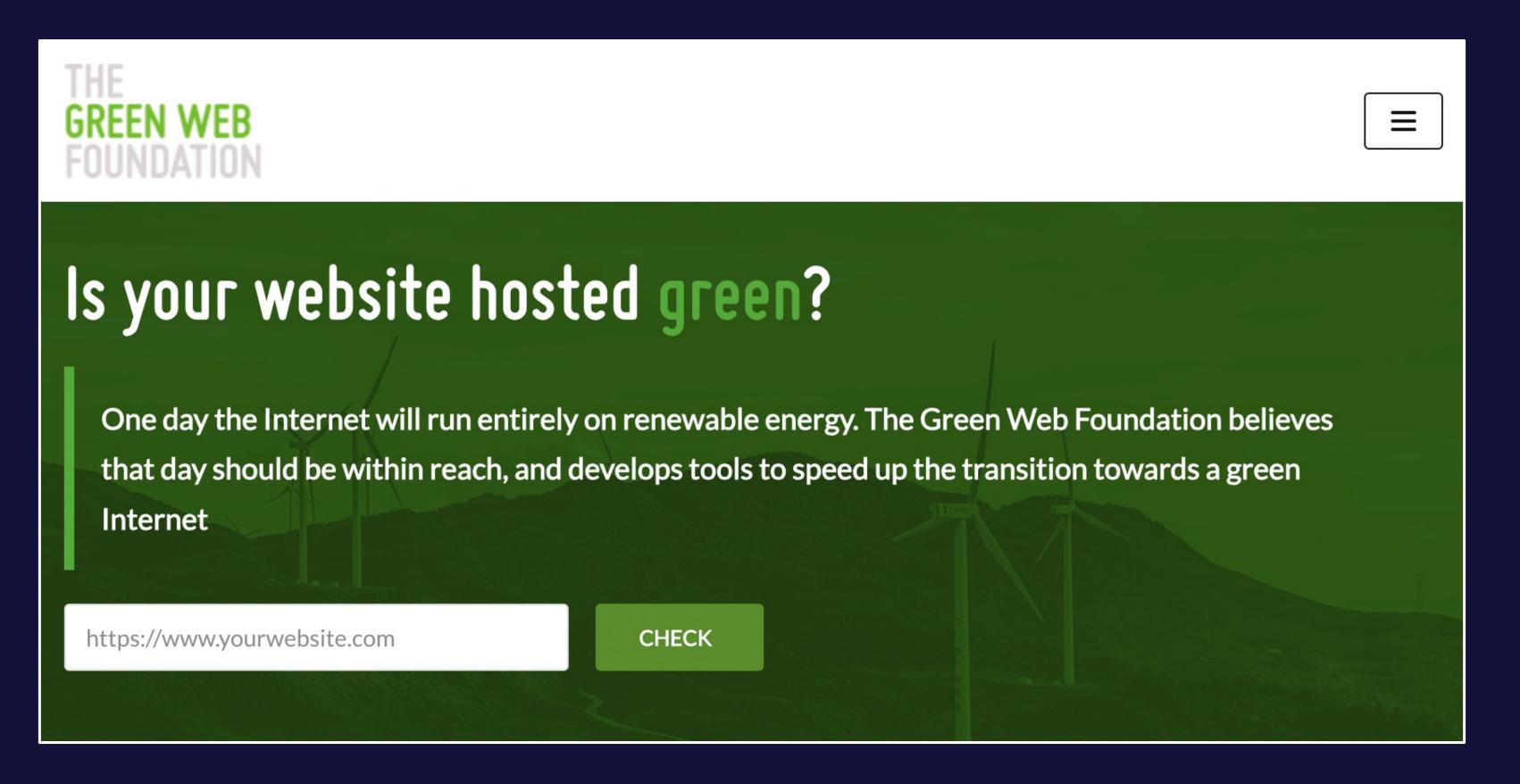




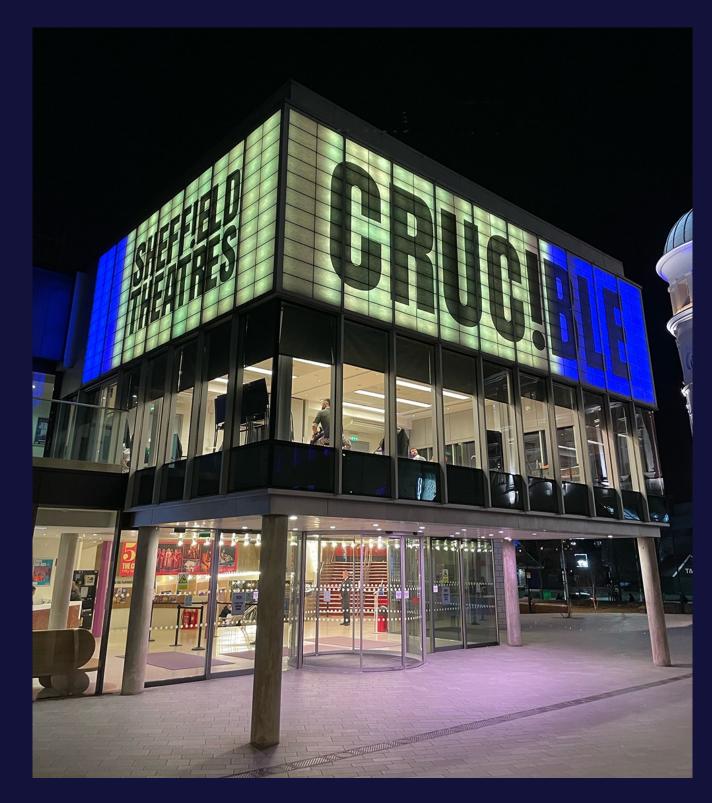
https://ecograder.com

Webpage sustainability results

## What is green hosting?



### Optimising images for the web

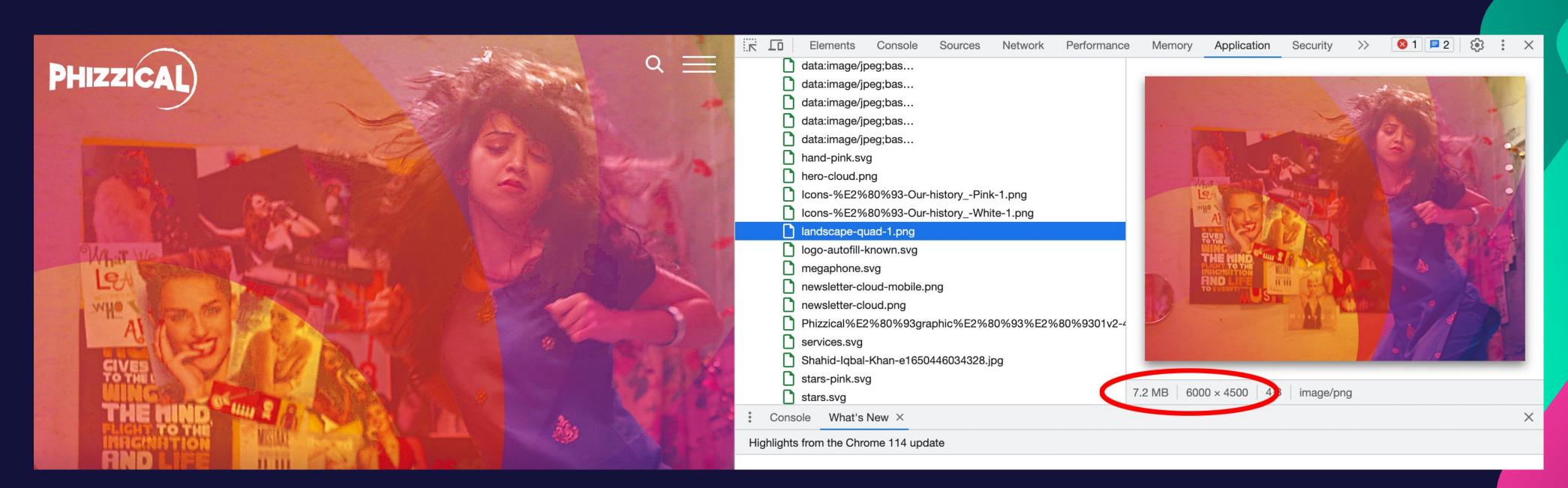




PNG file – 1.7Mb

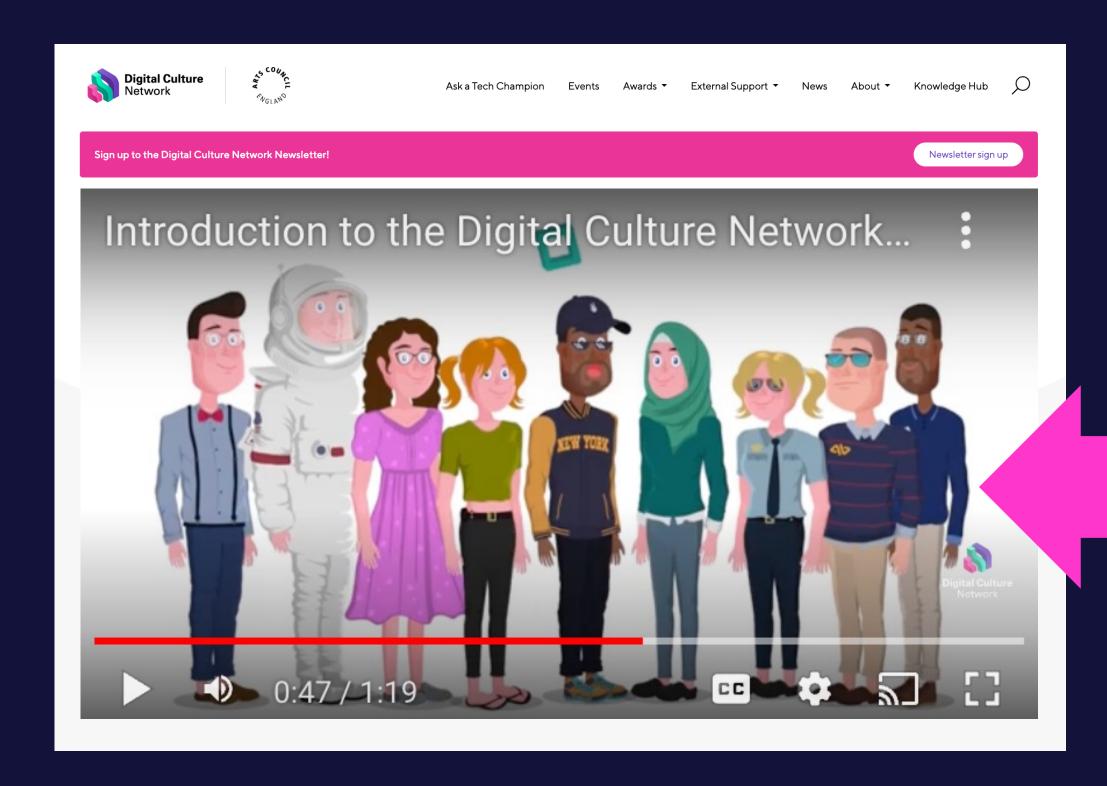
JPG file (50% compression) – 215K

#### Optimising images for the web



This homepage contains a background image that is 6000x4500 pixels in size and weighs in at a massive 7.2Mb

#### Embedding video on your site

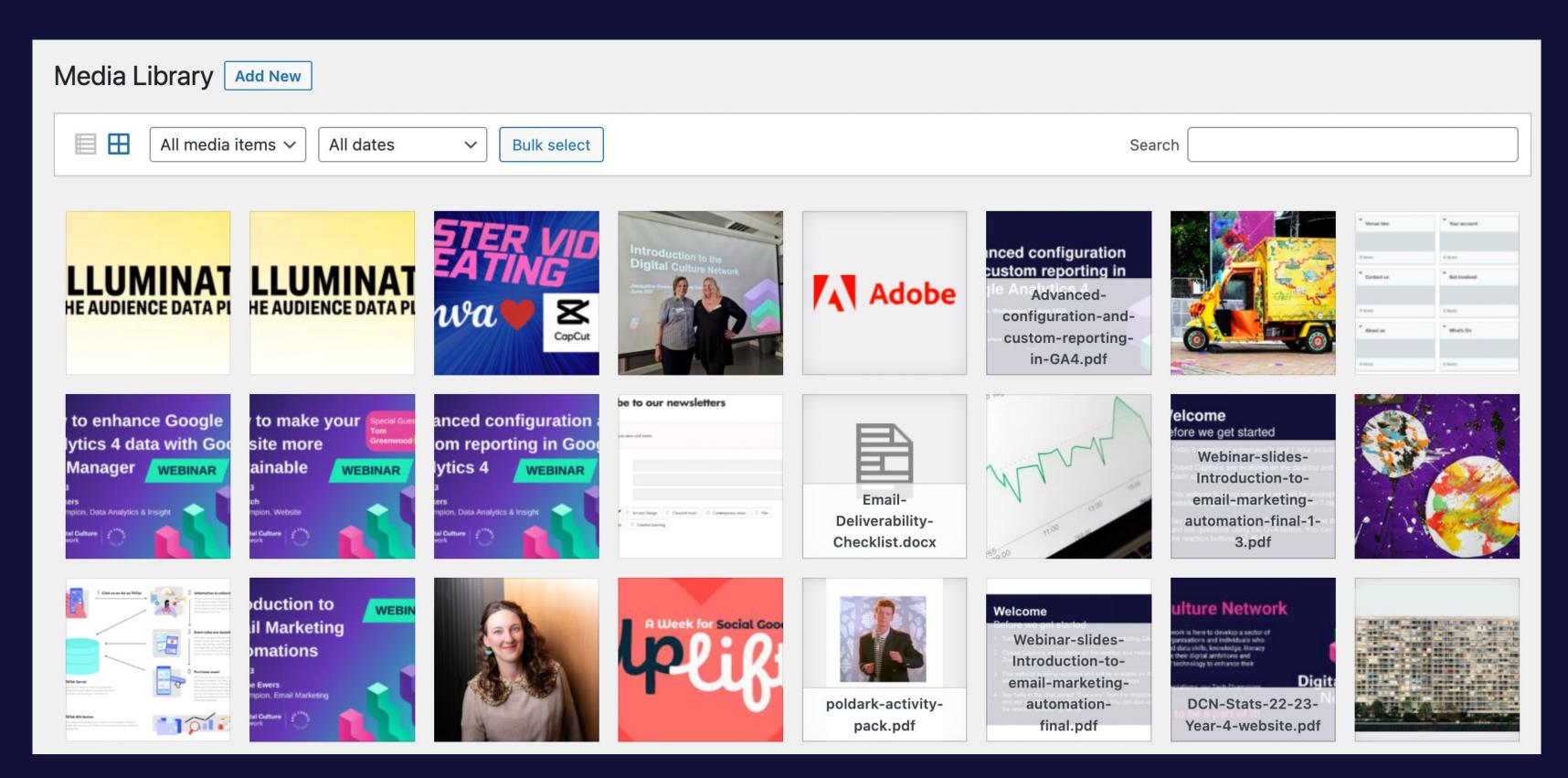




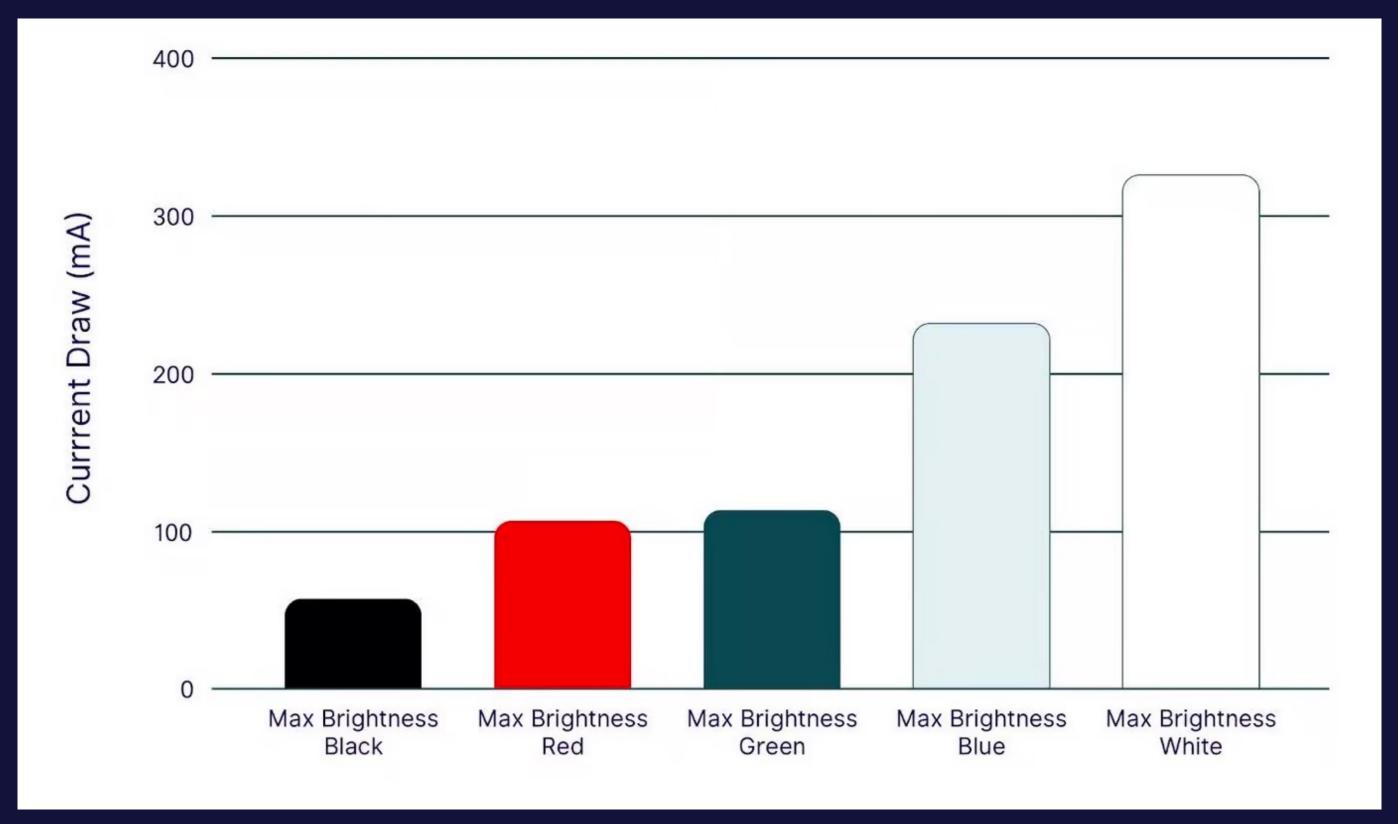


# Other ways to reduce your website's carbon footprint

### CMS Housekeeping



#### Colour and screen energy



Bar chart showing higher energy consumption of white and blue pixels compared to red, green and black

### Colour and image file size



As a general rule – the greater the colour variation in an image, the larger the file size

#### Custom fonts

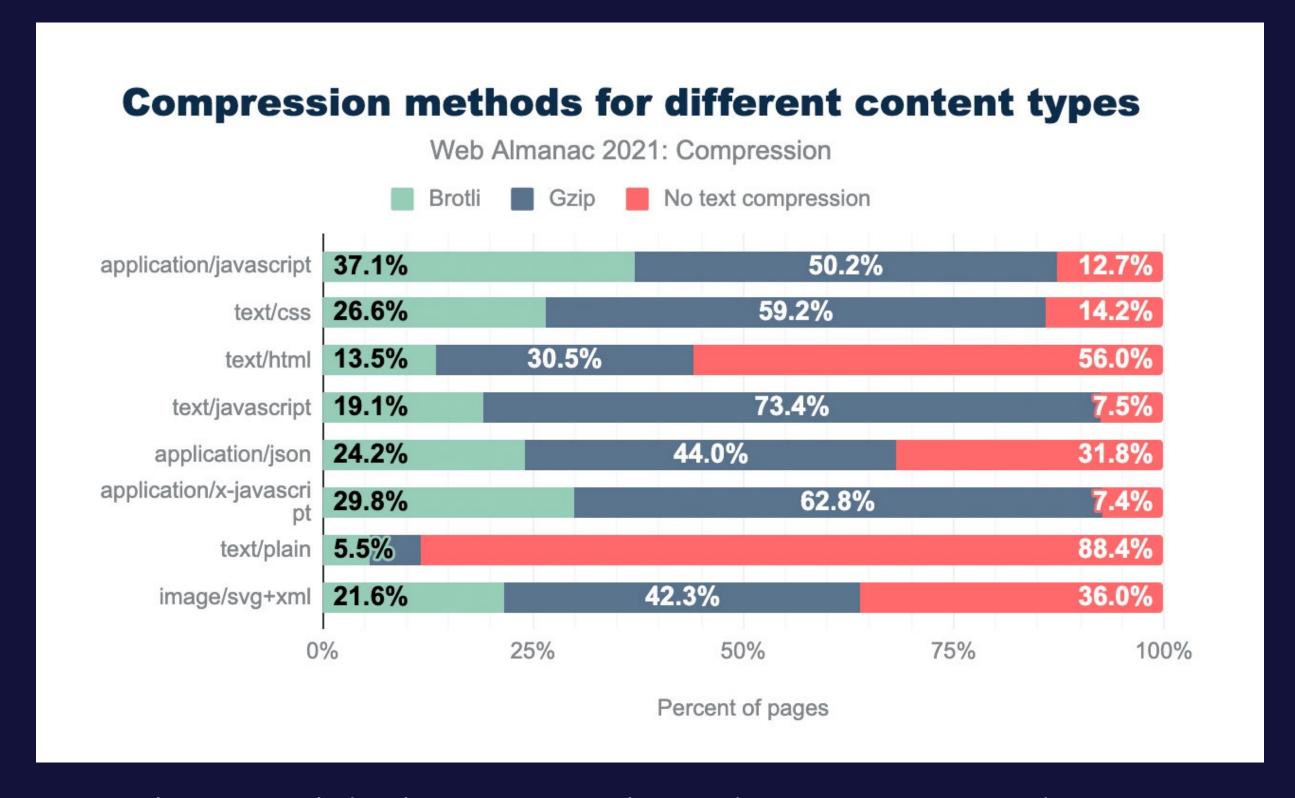
Helvetica Neue 25 Ultra Light Helvetica Neue 35 Thin Helvetica Neue 45 Light Helvetica Neue 55 Roman Helvetica Neue 65 Medium Helvetica Neue 75 Bold Helvetica Neue 85 Heavy Helvetica Neue 95 Black

## Tracking scripts

Platform	Size	Cookies?
Google Analytics	17KB	Yes
GA with GTM	75KB	Yes
Minimal GA	1.5KB	Yes
Matomo	40KB	Yes
Fathom	1.2KB	No
Plausible	1KB	No

Ask yourself, do you need all the tracking scripts installed on your website?

#### Compress your code



Speak to your web developer or agency about code compression to speed up your site

# The benefits of a sustainable approach to web design

#### In conclusion...

- 1. Look into green hosting
- 2. Audit your website how sustainable is it?
- 3. Speak to your supplier about improvements
- 4. Talk to DCN if you need help

# 







#### Get in touch

Send us an email digitalnetwork@artscouncil.org.uk

Join the mailing list digitalculturenetwork.org.uk

Join the conversation @ace\_dcn #DigitalCultureNetwork

