Performance Report for:
https://pixelwaves.co.uk/

Report generated:	Tue, Aug 25, 2020 8:52 AM -0700
Test Server Region:	🇨🇦 Vancouver, Canada
Using:	⊙ Chrome (Desktop) 75.0.3770.100, PageSpeed 1.15-gt1.3, YSlow 3.1.8

PageSpeed Score	YSlow Score		Fully Loaded Time	Total Page Size	Requests
A (100%) ^	**A (96%)** ^		**1.4s** ^	**41.6KB** ^	**8** ^

Top 2 Priority Issues

Optimize images	A (99)	▲	AVG SCORE: 74%	IMAGES	HIGH
Minify CSS	A (99)	◆	AVG SCORE: 96%	CSS	HIGH

How does this affect me?

Studies show that users leave a site if it hasn't loaded in 4 seconds; keep your users happy and engaged by providing a fast performing website.

As if you didn't need more incentive, **Google has announced that they are using page speed in their ranking algorithm.**

About GTmetrix

We can help you develop a faster, more efficient, and all-around improved website experience for your users. We use Google PageSpeed and Yahoo! YSlow to grade your site's performance and provide actionable recommendations to fix these issues.

About the Developer

CARBON60
THE MANAGED CLOUD COMPANY

GTmetrix is developed by the good folks at **Carbon60**, a Canadian hosting company with over 24 years experience in web technology.

https://carbon60.com/

What do these grades mean?

This report is an analysis of your site with Google and Yahoo!'s metrics for how to best develop a site for optimized speed. The **grades you see represent** how well the scanned URL adheres to those rules.

Lower grades (C or lower) mean that the page can stand to be faster using better practices and optimizing your settings.

What's in this report?

This report covers basic to technical analyses on your page. It is categorized under many headings:
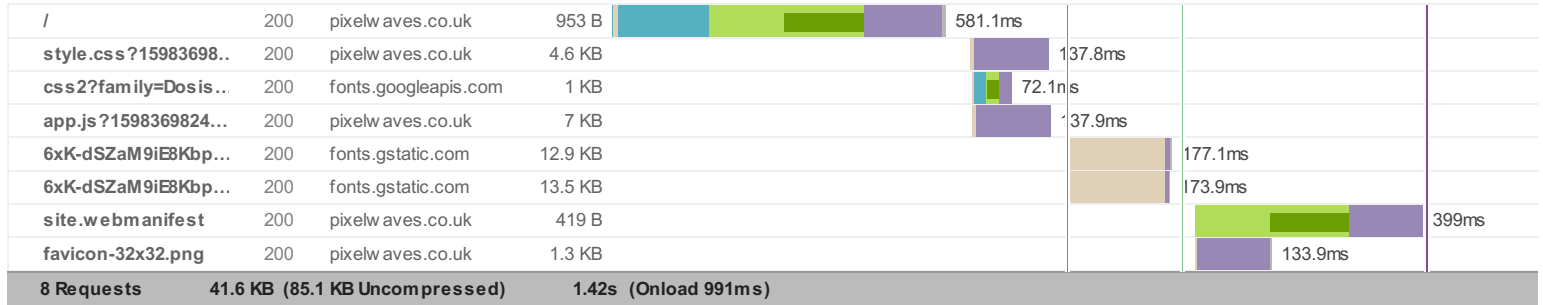
- **Executive:** Overall score information and Priority Issues
- **History:** Graphed history of past performance
- **Waterfall:** Graph of your site's loading timeline
- **Technical:** In-depth PageSpeed & YSlow information

These will provide you with a snapshot of your performance.

Waterfall Chart

The waterfall chart displays the loading behaviour of your site in your selected browser. It can be used to discover simple issues such as 404's or more complex issues such as external resources blocking page rendering.

Pixel Waves Web & UX

/	200	pixelwaves.co.uk	953 B		581.1ms
style.css?15983698..	200	pixelwaves.co.uk	4.6 KB		137.8ms
css2?family=Dosis..	200	fonts.googleapis.com	1 KB		72.1ms
app.js?1598369824...	200	pixelwaves.co.uk	7 KB		137.9ms
6xK-dSZaM9iE8Kbp...	200	fonts.gstatic.com	12.9 KB		177.1ms
6xK-dSZaM9iE8Kbp...	200	fonts.gstatic.com	13.5 KB		173.9ms
site.webmanifest	200	pixelwaves.co.uk	419 B		399ms
favicon-32x32.png	200	pixelwaves.co.uk	1.3 KB		133.9ms
8 Requests	**41.6 KB (85.1 KB Uncompressed)**		**1.42s (Onload 991ms)**		

PageSpeed Recommendations

RECOMMENDATION	GRADE	RELATIVE	TYPE	PRIORITY
Optimize images	A (99)	▲ AVG SCORE: 74%	IMAGES	HIGH

Optimize the following images to reduce their size by 110B (9% reduction).

- Losslessly compressing https://pixelwaves.co.uk/favicon-32x32.png could save 110B (9% reduction). See optimized version.

RECOMMENDATION	GRADE	RELATIVE	TYPE	PRIORITY
Minify CSS	A (99)	◆ AVG SCORE: 96%	CSS	HIGH

Minify CSS for the following resources to reduce their size by 42B (8% reduction).

- Minifying https://fonts.googleapis.com/css2?family=Dosis:wght@700&family=Quicksand:wght@400;700&display=swap could save 42B (8% reduction) after compression. See optimized version.

RECOMMENDATION	GRADE	RELATIVE	TYPE	PRIORITY
Avoid bad requests	A (100)	◆ AVG SCORE: 98%	CONTENT	HIGH

You scored 100% on this recommendation - nothing to do here!

RECOMMENDATION	GRADE	RELATIVE	TYPE	PRIORITY
Avoid landing page redirects	A (100)	◆ AVG SCORE: 98%	SERVER	HIGH

You scored 100% on this recommendation - nothing to do here!

RECOMMENDATION	GRADE	RELATIVE	TYPE	PRIORITY
Defer parsing of JavaScript	A (100)	▲ AVG SCORE: 72%	JS	HIGH

You scored 100% on this recommendation - nothing to do here!

RECOMMENDATION	GRADE	RELATIVE	TYPE	PRIORITY
Enable compression	A (100)	▲ AVG SCORE: 90%	SERVER	HIGH

You scored 100% on this recommendation - nothing to do here!

RECOMMENDATION	GRADE	RELATIVE	TYPE	PRIORITY
Enable Keep-Alive	A (100)	◆ AVG SCORE: 99%	SERVER	HIGH

You scored 100% on this recommendation - nothing to do here!

RECOMMENDATION	GRADE	RELATIVE	TYPE	PRIORITY
Inline small CSS	A (100)	◆ AVG SCORE: 99%	CSS	HIGH

You scored 100% on this recommendation - nothing to do here!

RECOMMENDATION	GRADE	RELATIVE	TYPE	PRIORITY
Inline small JavaScript	A (100)	◆ AVG SCORE: 99%	JS	HIGH

You scored 100% on this recommendation - nothing to do here!

| **Leverage browser caching** | A (100) | ▲ AVG SCORE: 64% | SERVER | HIGH |

You scored 100% on this recommendation - nothing to do here!

| **Minify JavaScript** | A (100) | ▲ AVG SCORE: 90% | JS | HIGH |

You scored 100% on this recommendation - nothing to do here!

| **Minimize redirects** | A (100) | ▲ AVG SCORE: 88% | CONTENT | HIGH |

You scored 100% on this recommendation - nothing to do here!

| **Minimize request size** | A (100) | ◆ AVG SCORE: 99% | CONTENT | HIGH |

You scored 100% on this recommendation - nothing to do here!

| **Put CSS in the document head** | A (100) | ◆ AVG SCORE: 100% | CSS | HIGH |

You scored 100% on this recommendation - nothing to do here!

| **Serve resources from a consistent URL** | A (100) | ▲ AVG SCORE: 90% | CONTENT | HIGH |

You scored 100% on this recommendation - nothing to do here!

| **Serve scaled images** | A (100) | ▲ AVG SCORE: 69% | IMAGES | HIGH |

You scored 100% on this recommendation - nothing to do here!

| **Specify a cache validator** | A (100) | ◆ AVG SCORE: 96% | SERVER | HIGH |

You scored 100% on this recommendation - nothing to do here!

| **Combine images using CSS sprites** | A (100) | ◆ AVG SCORE: 98% | IMAGES | HIGH |

You scored 100% on this recommendation - nothing to do here!

| **Avoid CSS @import** | A (100) | ◆ AVG SCORE: 98% | CSS | MEDIUM |

You scored 100% on this recommendation - nothing to do here!

| **Prefer asynchronous resources** | A (100) | ◆ AVG SCORE: 100% | JS | MEDIUM |

You scored 100% on this recommendation - nothing to do here!

| **Specify a character set early** | A (100) | ◆ AVG SCORE: 100% | CONTENT | MEDIUM |

You scored 100% on this recommendation - nothing to do here!

| **Specify image dimensions** | A (100) | ◆ AVG SCORE: 98% | IMAGES | MEDIUM |

You scored 100% on this recommendation - nothing to do here!

| **Avoid a character set in the meta tag** | A (100) | ◆ AVG SCORE: 100% | CONTENT | LOW |

You scored 100% on this recommendation - nothing to do here!

YSlow Recommendations

RECOMMENDATION	GRADE	RELATIVE	TYPE	PRIORITY
Use a Content Delivery Network (CDN)	B (80)	▲ AVG SCORE: 31%	SERVER	MEDIUM

Using a CDN YSlow doesn't recognize? Specify your CDNs in your User Settings.

There are 2 static components that are not on CDN.

- https://pixelwaves.co.uk/public/assets/dist/style.css?1598369824819
- https://pixelwaves.co.uk/public/assets/dist/app.js?1598369824819

Add Expires headers	B (89)	▲ AVG SCORE: 30%	SERVER	HIGH

There is 1 static component without a far-future expiration date.

- https://fonts.googleapis.com/css2?family=Dosis:wght@700&family=Quicksand:wght@400;700&display=swap

Use cookie-free domains	A (90)	▲ AVG SCORE: 57%	COOKIE	LOW

There are 2 components that are not cookie-free

- https://pixelwaves.co.uk/public/assets/dist/style.css?1598369824819
- https://pixelwaves.co.uk/public/assets/dist/app.js?1598369824819

Make fewer HTTP requests	A (100)	▲ AVG SCORE: 74%	CONTENT	HIGH

You scored 100% on this recommendation - nothing to do here!

Compress components	A (100)	▲ AVG SCORE: 91%	SERVER	HIGH

You scored 100% on this recommendation - nothing to do here!

Minify JavaScript and CSS	A (100)	▲ AVG SCORE: 73%	CSS/JS	MEDIUM

You scored 100% on this recommendation - nothing to do here!

Avoid URL redirects	A (100)	▲ AVG SCORE: 87%	CONTENT	MEDIUM

You scored 100% on this recommendation - nothing to do here!

Make AJAX cacheable	A (100)	◆ AVG SCORE: 100%	JS	MEDIUM

You scored 100% on this recommendation - nothing to do here!

Remove duplicate JavaScript and CSS	A (100)	◆ AVG SCORE: 100%	CSS/JS	MEDIUM

You scored 100% on this recommendation - nothing to do here!

| **Avoid AlphaImageLoader filter** | A (100) | ◆ AVG SCORE: 99% | CSS | MEDIUM |

You scored 100% on this recommendation - nothing to do here!

| **Avoid HTTP 404 (Not Found) error** | A (100) | ◆ AVG SCORE: 98% | CONTENT | MEDIUM |

You scored 100% on this recommendation - nothing to do here!

| **Reduce the number of DOM elements** | A (100) | ▲ AVG SCORE: 90% | CONTENT | LOW |

You scored 100% on this recommendation - nothing to do here!

| **Use GET for AJAX requests** | A (100) | ◆ AVG SCORE: 100% | JS | LOW |

You scored 100% on this recommendation - nothing to do here!

| **Avoid CSS expressions** | A (100) | ◆ AVG SCORE: 100% | CSS | LOW |

You scored 100% on this recommendation - nothing to do here!

| **Reduce DNS lookups** | A (100) | ▲ AVG SCORE: 71% | CONTENT | LOW |

- pixelwaves.co.uk: 4 components, 56.4K (12.8K GZip)
- fonts.googleapis.com: 1 component, 3.3K (1.0K GZip)

| **Reduce cookie size** | A (100) | ◆ AVG SCORE: 100% | COOKIE | LOW |

You scored 100% on this recommendation - nothing to do here!

| **Make favicon small and cacheable** | A (100) | ◆ AVG SCORE: 100% | IMAGES | LOW |

You scored 100% on this recommendation - nothing to do here!

| **Configure entity tags (ETags)** | A (100) | ◆ AVG SCORE: 97% | SERVER | LOW |

You scored 100% on this recommendation - nothing to do here!

| **Make JavaScript and CSS external** | (n/a) | | CSS/JS | MEDIUM |

Only consider this if your property is a common user home page.