Performance Report for:

https://www.spacex.com/

Report generated: Sat, Jun 15, 2024 8:36 AM -0700
Test Server Location: 🇨🇦 Vancouver, Canada
Using: Chrome 117.0.0.0, Lighthouse 11.0.0

B	Performance 92%	Structure 84%		L. Contentful Paint 608ms	T. Blocking Time 0ms	C. Layout Shift 0

Top Issues

High	**Avoid enormous network payloads** LCP	Total size was 8.62MB
Med	**Serve static assets with an efficient cache policy**	Potential savings of 4.19MB
Med-Low	**Use a Content Delivery Network (CDN)**	11 resources found
Low	**Eliminate render-blocking resources** FCP LCP	Potential savings of 173ms
Low	**Serve images in next-gen formats**	Potential savings of 300KB

Focus on these audits first

These audits likely have the largest impact on your page performance.

Structure audits do not directly affect your Performance Score, but improving the audits seen here can help as a starting point for overall performance gains.
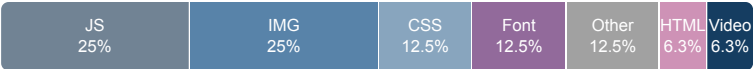
Page Details

2.1s
Fully Loaded Time

Total Page Size – 9.33MB

Video 8.38MB	IMG 729KB	

Total Page Requests – 16

JS 25%	IMG 25%	CSS 12.5%	Font 12.5%	Other 12.5%	HTML 6.3%	Video 6.3%

■ HTML ■ JS ■ CSS ■ IMG ■ Video ■ Font ■ Other

How does this affect me?

Modern web users have a short attention span and expect a fast and seamless website experience. Delivering that fast experience can result in more traffic, more conversions, and more happiness.
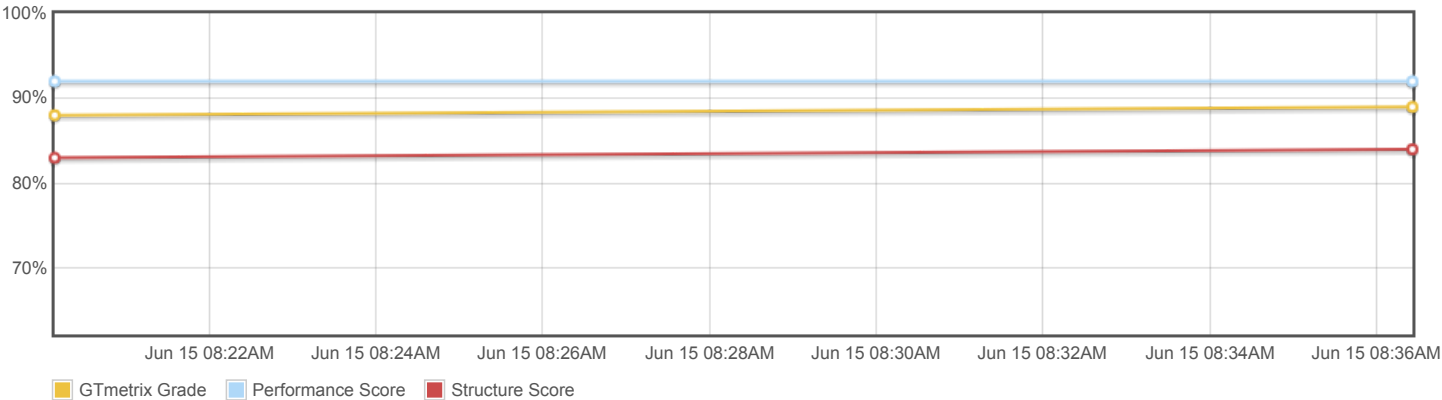
As if you didn't need more incentive, **Google use Page Speed and Page Experience (including Web Vitals) signals in their ranking algorithm.**
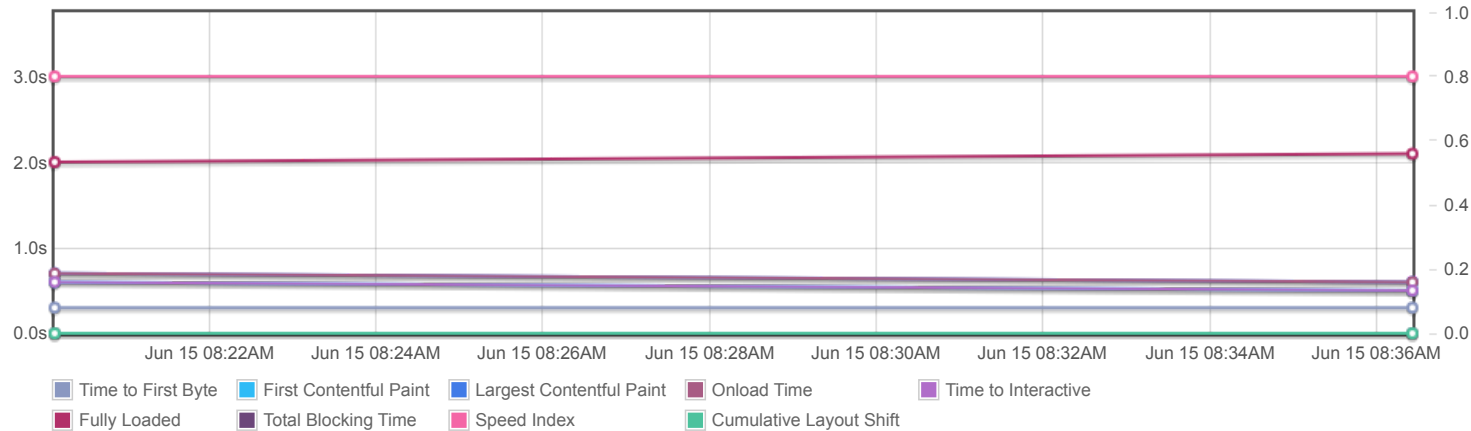
About GTmetrix

GTmetrix

GTmetrix was developed as a tool for customers to easily test the performance of their webpages.

Learn more about us.

Page scores

GTmetrix Grade Performance Score Structure Score

Page metrics

Time to First Byte First Contentful Paint Largest Contentful Paint Onload Time Time to Interactive
Fully Loaded Total Blocking Time Speed Index Cumulative Layout Shift

Page sizes and request counts

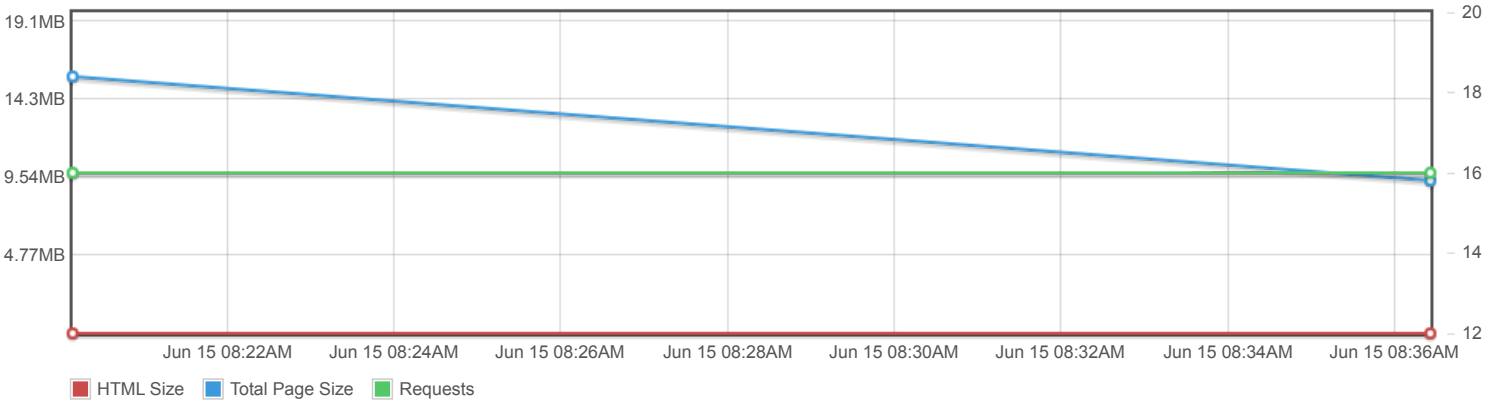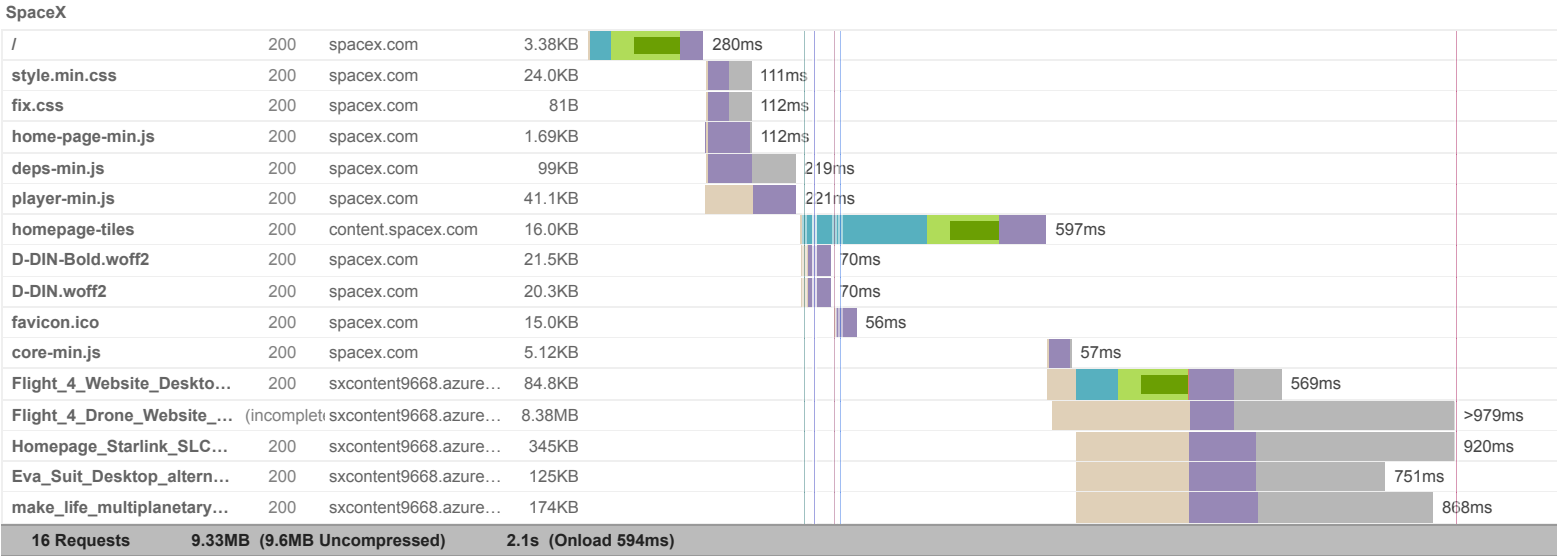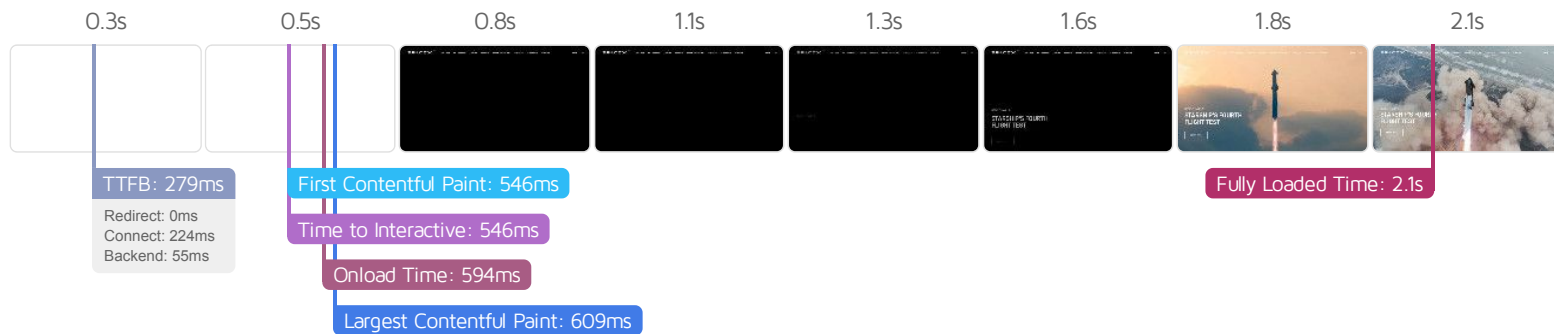HTML Size Total Page Size Requests

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.

SpaceX

/	200	spacex.com	3.38KB	280ms
style.min.css	200	spacex.com	24.0KB	111ms
fix.css	200	spacex.com	81B	112ms
home-page-min.js	200	spacex.com	1.69KB	112ms
deps-min.js	200	spacex.com	99KB	219ms
player-min.js	200	spacex.com	41.1KB	221ms
homepage-tiles	200	content.spacex.com	16.0KB	597ms
D-DIN-Bold.woff2	200	spacex.com	21.5KB	70ms
D-DIN.woff2	200	spacex.com	20.3KB	70ms
favicon.ico	200	spacex.com	15.0KB	56ms
core-min.js	200	spacex.com	5.12KB	57ms
Flight_4_Website_Deskto…	200	sxcontent9668.azure…	84.8KB	569ms
Flight_4_Drone_Website_…	(incomplete)	sxcontent9668.azure…	8.38MB	>979ms
Homepage_Starlink_SLC…	200	sxcontent9668.azure…	345KB	920ms
Eva_Suit_Desktop_altern…	200	sxcontent9668.azure…	125KB	751ms
make_life_multiplanetary…	200	sxcontent9668.azure…	174KB	868ms

16 Requests	**9.33MB (9.6MB Uncompressed)**	**2.1s (Onload 594ms)**

0.3s   0.5s   0.8s   1.1s   1.3s   1.6s   1.8s   2.1s

TTFB: 279ms
Redirect: 0ms
Connect: 224ms
Backend: 55ms

First Contentful Paint: 546ms

Time to Interactive: 546ms

Onload Time: 594ms

Largest Contentful Paint: 609ms

Fully Loaded Time: 2.1s

Performance Metrics

First Contentful Paint

How quickly content like text or images are painted onto your page. A good user experience is 0.9s or less.

Good - Nothing to do here

546ms

Time to Interactive

How long it takes for your page to become fully interactive. A good user experience is 2.5s or less.

Good - Nothing to do here

546ms

Speed Index

How quickly the contents of your page are visibly populated. A good user experience is 1.3s or less.

Much longer than recommended

3.0s

Total Blocking Time

How much time is blocked by scripts during your page loading process. A good user experience is 150ms or less.

Good - Nothing to do here

0ms

Largest Contentful Paint

How long it takes for the largest element of content (i.e., a hero image) to be painted on your page. A good user experience is 1.2s or less.

Good - Nothing to do here

608ms

Cumulative Layout Shift

How much your page's layout shifts as it loads. A good user experience is a score of 0.1 or less.

Good - Nothing to do here

0

Browser Timings

Redirect	0ms	Connect	224ms	Backend	55ms
TTFB	279ms	DOM Int.	517ms	DOM Loaded	518ms
First Paint	546ms	Onload	594ms	Fully Loaded	2.1s

IMPACT	AUDIT	
High	Avoid enormous network payloads LCP	Total size was 8.62MB
Med	Serve static assets with an efficient cache policy	Potential savings of 4.19MB
Med-Low	Use a Content Delivery Network (CDN)	11 resources found
Low	Eliminate render-blocking resources FCP LCP	Potential savings of 173ms
Low	Serve images in next-gen formats	Potential savings of 300KB
Low	Enable text compression FCP LCP	Potential savings of 14.1KB
Low	Reduce unused CSS FCP LCP	Potential savings of 21.8KB
Low	Avoid chaining critical requests FCP LCP	5 chains found
Low	Reduce unused JavaScript LCP	Potential savings of 116KB
N/A	Avoid an excessive DOM size TBT	147 elements
N/A	Largest Contentful Paint element LCP	610 ms
N/A	Reduce JavaScript execution time TBT	92ms spent executing JavaScript
N/A	Reduce initial server response time FCP LCP	Root document took 54ms
N/A	Avoid serving legacy JavaScript to modern browsers TBT	Potential savings of 60B
N/A	Avoid large layout shifts CLS	5 elements found
N/A	Minimize main-thread work TBT	Main-thread busy for 618ms
N/A	Reduce the impact of third-party code TBT	Total size was 8.38MB
N/A	User Timing marks and measures	