



Performance Report for:

https://www.spacex.com/vehicles/falcon-9/

Report generated: Thu, Aug 1, 2024 11:39 AM -0700

Test Server Location: San Antonio, TX, USA

Using: Chrome 117.0.0.0, Lighthouse 11.0.0

B	Performance 97%	Structure 78%	L. Contentful Paint 844ms	T. Blocking Time 81ms	C. Layout Shift 0.05
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Top Issues

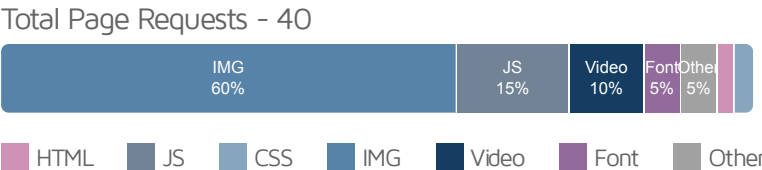
High	Avoid enormous network payloads LCP	Total size was 31.5MB
Med-Low	Use a Content Delivery Network (CDN)	33 resources found
Med-Low	Defer offscreen images	Potential savings of 19.4MB
Low	Efficiently encode images	Potential savings of 7.32MB
Low	Eliminate render-blocking resources LCP	Potential savings of 113ms

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



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.**

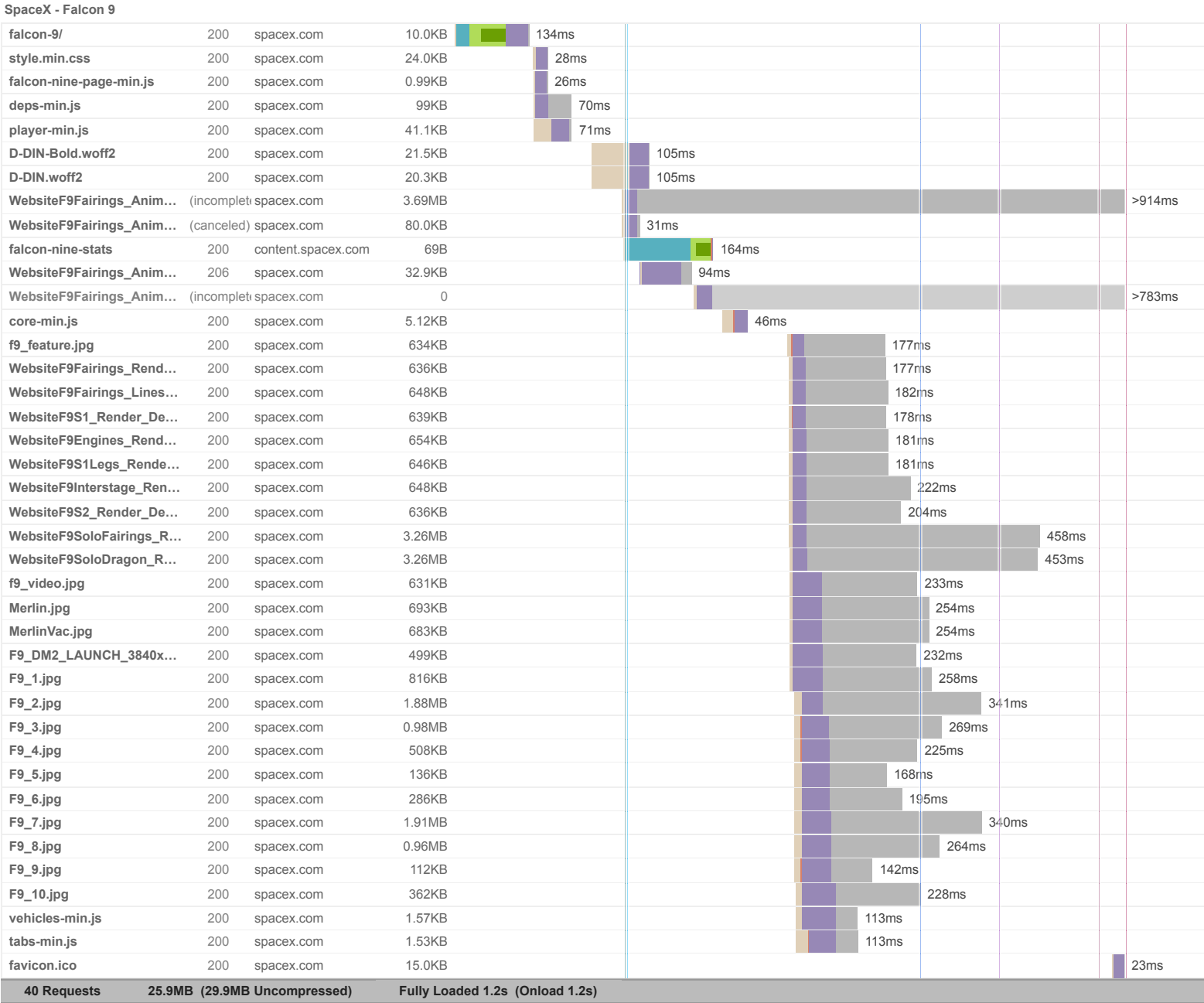
About GTmetrix

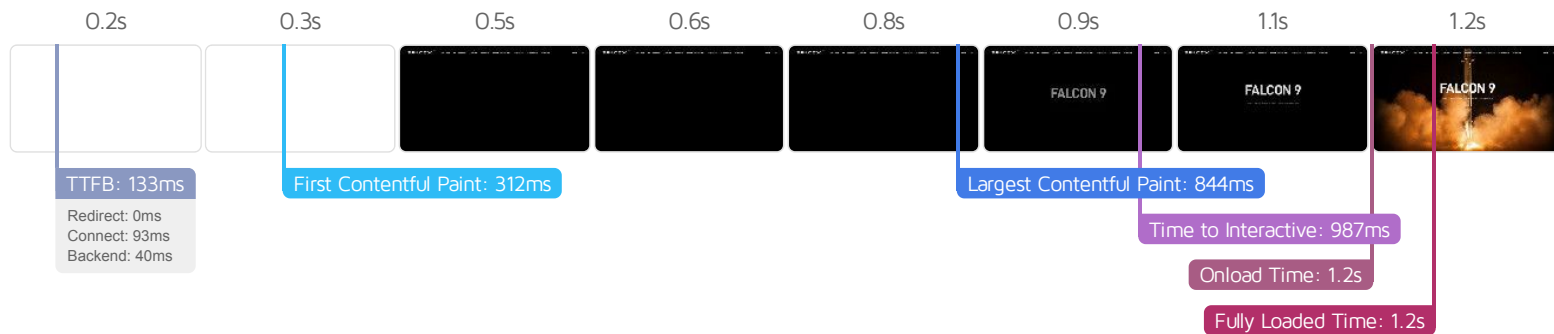
GTmetrix

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

[Learn more about us.](#)

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.





## Performance Metrics

<b>First Contentful Paint</b> 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 <b>312ms</b>	<b>Time to Interactive</b> 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 <b>987ms</b>
<b>Speed Index</b> How quickly the contents of your page are visibly populated. A good user experience is 1.3s or less.	OK, but consider improvement <b>1.5s</b>	<b>Total Blocking Time</b> 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 <b>81ms</b>
<b>Largest Contentful Paint</b> 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 <b>844ms</b>	<b>Cumulative Layout Shift</b> 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 <b>0.05</b>

## Browser Timings

Redirect	0ms	Connect	93ms	Backend	40ms
TTFB	133ms	DOM Int.	307ms	DOM Loaded	308ms
First Paint	312ms	Onload	1.2s	Fully Loaded	1.2s

IMPACT	AUDIT	
High	Avoid enormous network payloads <small>LCP</small>	Total size was 31.5MB
Med-Low	Use a Content Delivery Network (CDN)	33 resources found
Med-Low	Defer offscreen images	Potential savings of 19.4MB
Low	Efficiently encode images	Potential savings of 7.32MB
Low	Eliminate render-blocking resources <small>FCP</small> <small>LCP</small>	Potential savings of 113ms
Low	Serve images in next-gen formats	Potential savings of 15.1MB
Low	Avoid large layout shifts <small>CLS</small>	5 elements found
Low	Avoid an excessive DOM size <small>TBT</small>	399 elements
Low	Avoid long main-thread tasks <small>TBT</small>	3 long tasks found
Low	Reduce JavaScript execution time <small>TBT</small>	388ms spent executing JavaScript
Low	Reduce unused CSS <small>FCP</small> <small>LCP</small>	Potential savings of 20.0KB
Low	Avoid chaining critical requests <small>FCP</small> <small>LCP</small>	4 chains found
Low	Reduce unused JavaScript <small>LCP</small>	Potential savings of 96.4KB
N/A	Largest Contentful Paint element <small>LCP</small>	840 ms
N/A	Reduce initial server response time <small>FCP</small> <small>LCP</small>	Root document took 39ms
N/A	Avoid serving legacy JavaScript to modern browsers <small>TBT</small>	Potential savings of 60B
N/A	Minimize main-thread work <small>TBT</small>	Main-thread busy for 1.6s
N/A	User Timing marks and measures	
N/A	Reduce the impact of third-party code <small>TBT</small>	