



Performance Report for: <https://renalytix.com/>

Report generated: Tue, Mar 12, 2024 2:31 AM -0700
 Test Server Location: London, UK
 Using: Chrome 117.0.0.0, Lighthouse 11.0.0

C	Performance	Structure	L. Contentful Paint	T. Blocking Time	C. Layout Shift
	67%	84%	3.4s	5ms	0.1

Top Issues

Med-High	Avoid enormous network payloads <small>LCP</small>	Total size was 4.13MB
Med	Eliminate render-blocking resources <small>FCP LCP</small>	Potential savings of 358ms
Low	Efficiently encode images	Potential savings of 486KB
Low	Serve images in next-gen formats	Potential savings of 2.24MB
Low	Avoid large layout shifts <small>CLS</small>	5 elements found

Page Details



Total Page Size - 4.11MB



Total Page Requests - 56



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

How does this affect me?

Today's web user expects a fast and seamless website experience. Delivering that fast experience can result in increased visits, conversions and overall happiness.

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

About GTmetrix

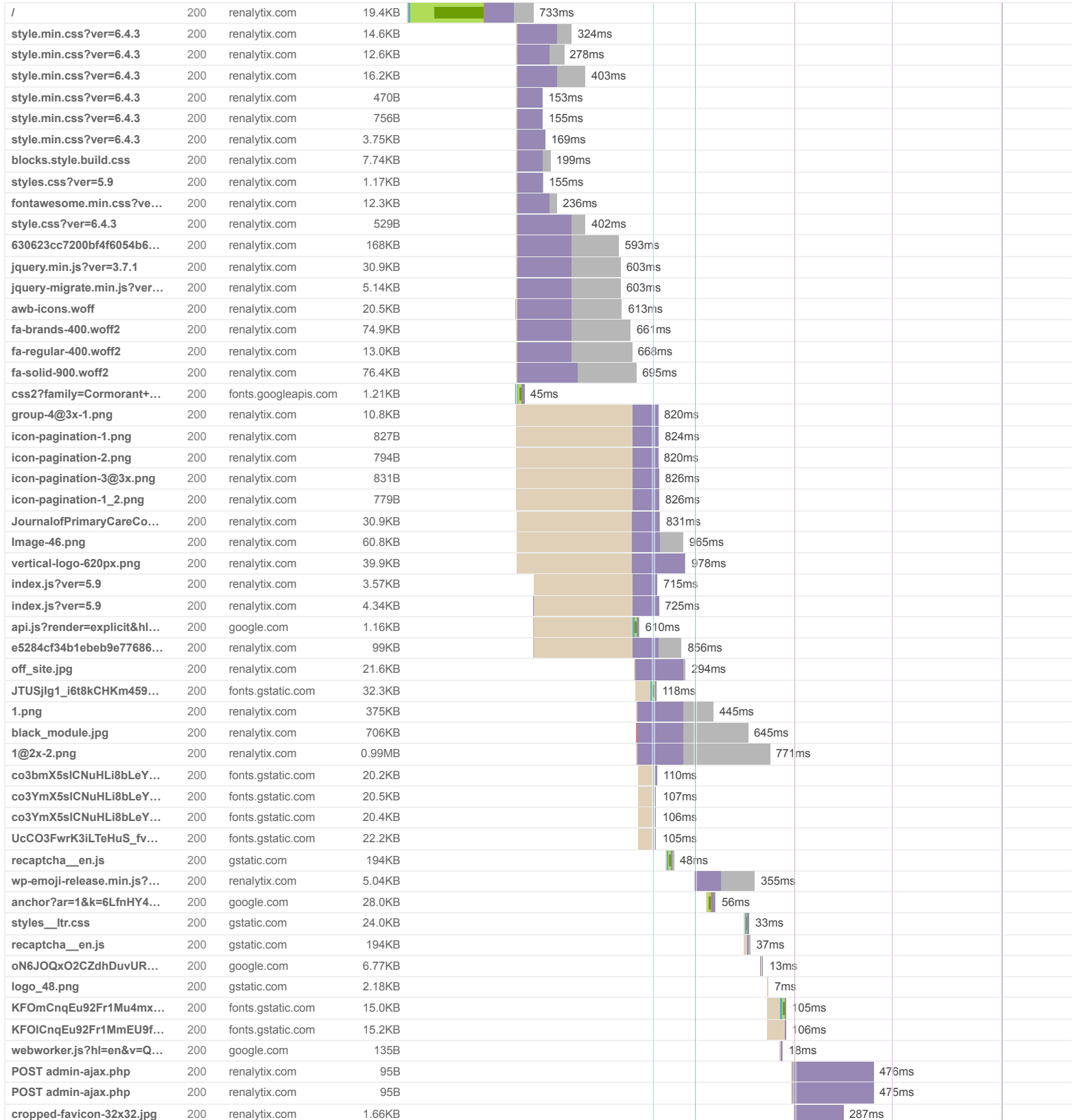


GTmetrix is developed by the good folks at **Carbon60**, a Canadian hosting company with over 28 years experience in web technology.

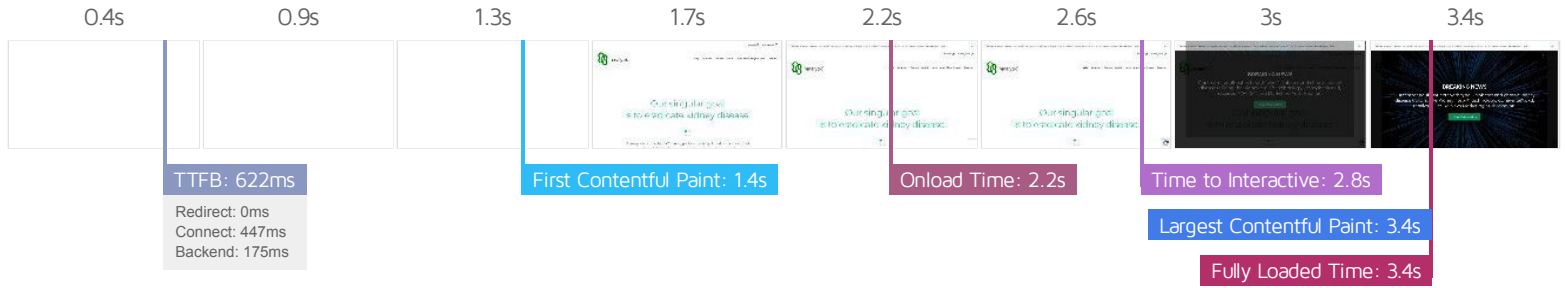
<https://carbon60.com/>

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.

Renalytix - Renalytix



POST reload?k=6LfnHY4...	200	google.com	9.59KB					106ms
1_3.png	200	renalytix.com	754KB					107ms
POST clr?k=6LfnHY4kAA...	200	google.com	0					20ms
56 Requests		4.11MB (7.32MB Uncompressed)		Fully Loaded 3.4s (Onload 2.2s)				



Performance Metrics

<p>First Contentful Paint</p> <p>How quickly content like text or images are painted onto your page. A good user experience is 0.9s or less.</p>	<p>Longer than recommended</p> <p>1.4s</p>	<p>Time to Interactive</p> <p>How long it takes for your page to become fully interactive. A good user experience is 2.5s or less.</p>	<p>OK, but consider improvement</p> <p>2.8s</p>
<p>Speed Index</p> <p>How quickly the contents of your page are visibly populated. A good user experience is 1.3s or less.</p>	<p>Much longer than recommended</p> <p>3.1s</p>	<p>Total Blocking Time</p> <p>How much time is blocked by scripts during your page loading process. A good user experience is 150ms or less.</p>	<p>Good - Nothing to do here</p> <p>5ms</p>
<p>Largest Contentful Paint</p> <p>How long it takes for the largest element of content (e.g. a hero image) to be painted on your page. A good user experience is 1.2s or less.</p>	<p>Much longer than recommended</p> <p>3.4s</p>	<p>Cumulative Layout Shift</p> <p>How much your page's layout shifts as it loads. A good user experience is a score of 0.1 or less.</p>	<p>OK, but consider improvement</p> <p>0.1</p>

Browser Timings

Redirect	0ms	Connect	447ms	Backend	175ms
TTFB	622ms	First Paint	1.4s	DOM Int.	1.7s
DOM Loaded	1.7s	Onload	2.2s	Fully Loaded	3.4s

IMPACT AUDIT

Low **Reduce unused CSS** FCP LCP Potential savings of 211KB

Reduce unused rules from stylesheets and defer CSS not used for above-the-fold content to decrease bytes consumed by network activity.

URL	TRANSFER SIZE	POTENTIAL SAVINGS
https://renalytix.com/wp-content/uploads/fusion-styles/630623cc7200bf4f6054b6b131c07c55.min.css?ver=3.9.2	168KB	156KB
https://renalytix.com/wp-includes/css/dist/block-editor/style.min.css?ver=6.4.3	16.2KB	16.1KB
https://renalytix.com/wp-includes/css/dist/block-library/style.min.css?ver=6.4.3	14.6KB	14.6KB
https://renalytix.com/wp-includes/css/dist/components/style.min.css?ver=6.4.3	12.6KB	12.5KB
https://renalytix.com/wp-content/plugins/timeline-event-history/assets/resources/fontawesome/css/fontawesome.min.css?ver=3.1	12.3KB	12.3KB

Low **Reduce unused JavaScript** LCP Potential savings of 172KB

Reduce unused JavaScript and defer loading scripts until they are required to decrease bytes consumed by network activity.

URL	TRANSFER SIZE	POTENTIAL SAVINGS
https://www.gstatic.com/recaptcha/releases/QquE1_MNjnFHgZF4HPsEcf_2/recaptcha_en.js	195KB	99KB
https://renalytix.com/wp-content/uploads/fusion-scripts/e5284cf34b1eb9e7768696717b0795.min.js?ver=3.9.2	99KB	73.3KB

Low **Avoid long main-thread tasks** TBT 2 long tasks found

Lists the longest tasks on the main thread, useful for identifying worst contributors to input delay.

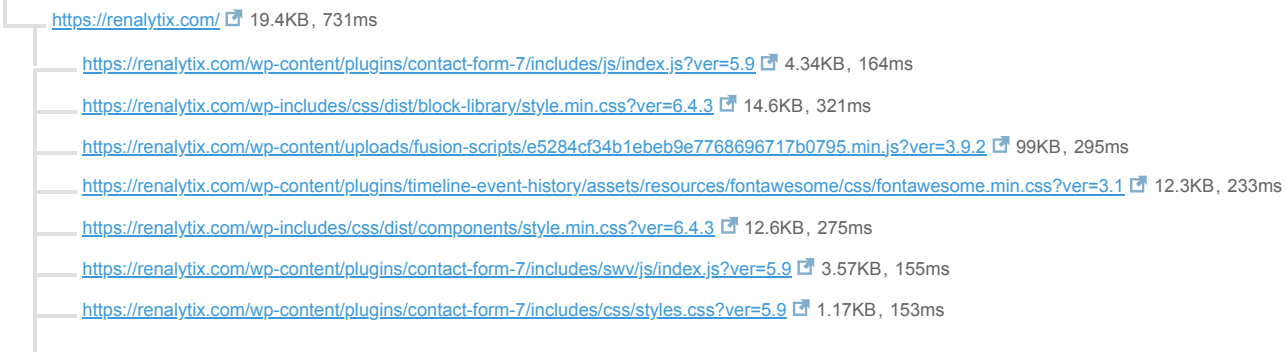
URL	START TIME	DURATION
https://renalytix.com/	1.3s	80ms
https://renalytix.com/	2.7s	55ms

Low **Avoid chaining critical requests** FCP LCP 21 chains found

The Critical Request Chains below show you what resources are loaded with a high priority. Consider reducing the length of chains, reducing the download size of resources, or deferring the download of unnecessary resources to improve page load.

Maximum critical path latency: 1.6s

INITIAL NAVIGATION



- <https://renalytix.com/wp-includes/css/dist/block-editor/style.min.css?ver=6.4.3> 16.2KB, 400ms
- https://www.google.com/recaptcha/api.js?render=explicit&hl=en_US&onload=fusionOnloadCallback&ver=3.9.2 1.16KB, 50ms
- <https://renalytix.com/wp-includes/js/jquery/jquery-migrate.min.js?ver=3.4.1> 5.14KB, 601ms
- <https://renalytix.com/wp-content/themes/Avada-Child-Theme/style.css?ver=6.4.3> 529B, 399ms
- <https://renalytix.com/wp-includes/css/dist/patterns/style.min.css?ver=6.4.3> 756B, 152ms
- <https://renalytix.com/wp-includes/js/jquery/jquery.min.js?ver=3.7.1> 30.9KB, 601ms
- <https://renalytix.com/wp-content/plugins/timeline-event-history/includes/gutenberg/dist/blocks.style.build.css> 7.74KB, 196ms
- <https://renalytix.com/wp-includes/css/dist/editor/style.min.css?ver=6.4.3> 3.75KB, 166ms
- <https://renalytix.com/wp-includes/css/dist/reusable-blocks/style.min.css?ver=6.4.3> 470B, 150ms
- <https://fonts.googleapis.com/css2?family=Cormorant+Garamond:ital,wght@0,400;0,600;0,700;1,400;1,600;1,700&display=swap> 1.21KB, 44ms
- <https://fonts.gstatic.com/s/cormorantgaramond/v16/co3bmX5sICNuHLi8bLeY9MK7whWMhyjYqXtk.woff2> 20.3KB, 42ms
- <https://fonts.gstatic.com/s/cormorantgaramond/v16/co3YmX5sICNuHLi8bLeY9MK7whWMhyjQdI9fvG-l.woff2> 20.6KB, 39ms
- <https://renalytix.com/wp-content/uploads/fusion-styles/630623cc7200bf4f6054b6b131c07c55.min.css?ver=3.9.2> 168KB, 591ms
- https://fonts.gstatic.com/s/montserrat/v26/JTUSjIgl1_i6t8kCHKm459Wlhyw.woff2 32.9KB, 35ms
- <https://fonts.gstatic.com/s/cormorantgaramond/v16/co3YmX5sICNuHLi8bLeY9MK7whWMhyjQWlhfvG-l.woff2> 20.6KB, 38ms
- https://fonts.gstatic.com/s/inter/v13/UcCO3FwrK3iLTeHuS_fvQtMwCp50KnMw2boKoduKrmMEVul6fAZ9hiA.woff2 22.3KB, 36ms

Low **Avoid an excessive DOM size** TBT 555 elements

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

STATISTIC	ELEMENT	VALUE
Total DOM Elements		555
Maximum DOM Depth	div#g-recaptcha-1 > div.grecaptcha-badge > div.grecaptcha-logo > iframe <iframe width="256" height="60" role="presentation" name="a-m7bwiy4w47j0" frameborder="0" scrolling="no" sandbox="allow-forms allow-popups allow-same-origin allow-scripts allow-top-navigat..." src="https://www.google.com/recaptcha/api2/anchor?ar=1& k=6LfnHY4kAAAAAC0LcCQM8V...">	25
Maximum Child Elements	body.home <body class="home page-template page-template-100-width page-template-100-width-php pag..." data-awb-post-id="5283" style="--viewportWidth: 1367; padding-right: 15px;">	14

Low **Properly size images** Potential savings of 72.0KB

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

URL	RESOURCE SIZE	POTENTIAL SAVINGS
https://renalytix.com/wp-content/uploads/2021/05/vertical-logo-620px.png	39.9KB	36.9KB
https://renalytix.com/wp-content/uploads/2023/06/Image-46.png	60.8KB	21.4KB
https://renalytix.com/wp-content/uploads/2023/06/JournalofPrimaryCareComm3.jpg	30.9KB	13.7KB

Low **Serve static assets with an efficient cache policy** Potential savings of 236B

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

URL	CACHE TTL	TRANSFER SIZE
<ul style="list-style-type: none"> https://www.gstatic.com/recaptcha/api2/logo_48.png 	7 days	2.31KB

Low

Ensure text remains visible during webfont load FCP LCP

3 fonts found

Leverage the `font-display` CSS feature to ensure text is user-visible while webfonts are loading.

URL	POTENTIAL SAVINGS
https://fonts.gstatic.com/s/montserrat/v26/JTUSjlg1_i6t8kCHKm459Wlhyw.woff2	35ms
https://fonts.gstatic.com/s/cormorantgaramond/v16/co3YmX5slCNuHLi8bLeY9MK7whWMhyjQWlhfyg-l.woff2	38ms
https://fonts.gstatic.com/s/inter/v13/UcCO3FwrK3iLTeHuS_fvQtMwCp50KnMw2boKoduKmMEVul6fAZ9hiA.woff2	36ms

Low

Reduce JavaScript execution time TBT

375ms spent executing JavaScript

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

URL	TOTAL CPU TIME	SCRIPT EVALUATION	SCRIPT PARSE
https://renalytix.com/	277ms	9ms	2ms
https://www.gstatic.com/recaptcha/releases/QquE1_MNjnFHgZF4HPsEcf_2/recaptcha_en.js	232ms	208ms	7ms
Unattributable	202ms	16ms	0ms
https://renalytix.com/wp-includes/js/jquery/jquery.min.js?ver=3.7.1	156ms	83ms	1ms
https://renalytix.com/wp-content/uploads/fusion-scripts/e5284cf34b1eb9e7768696717b0795.min.js?ver=3.9.2	54ms	40ms	6ms

Low

Reduce initial server response time FCP LCP

Root document took 174ms

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

URL	TIME SPENT
https://renalytix.com/	174ms

Low

Defer offscreen images

Potential savings of 1.12MB

Consider lazy-loading offscreen and hidden images after all critical resources have finished loading to lower time to interactive.

URL	RESOURCE SIZE	POTENTIAL SAVINGS
https://renalytix.com/wp-content/uploads/2021/05/1@2x-2.png	0.99MB	0.99MB
https://renalytix.com/wp-content/uploads/2023/06/Image-46.png	60.8KB	60.8KB
https://renalytix.com/wp-content/uploads/2021/05/vertical-logo-620px.png	39.9KB	39.9KB
https://renalytix.com/wp-content/uploads/2023/06/JournalofPrimaryCareComm3.jpg	30.9KB	30.9KB

N/A

Largest Contentful Paint element LCP

3,440 ms

This is the largest contentful element painted within the viewport.

ELEMENT

× BREAKING NEWS Our test for adult patients with type 2 diabetes and chronic ki...
`<div class="modal-dialog modal-lg" role="document">`

PHASE	% OF LCP	TIMING
TTFB	18%	622ms
Load Delay	60%	2.1s
Load Time	21%	706ms
Render Delay	1%	43ms

N/A **Avoid serving legacy JavaScript to modern browsers** TBT Potential savings of 7.75KB

Polyfills and transforms enable legacy browsers to use new JavaScript features. However, many aren't necessary for modern browsers. For your bundled JavaScript, adopt a modern script deployment strategy using module/nomodule feature detection to reduce the amount of code shipped to modern browsers, while retaining support for legacy browsers.

URL	POTENTIAL SAVINGS
https://renalytix.com/wp-content/uploads/fusion-scripts/e5284cf34b1ebeb9e7768696717b0795.min.js?ver=3.9.2 Line:12 Column:81732 Line:26 Column:9272	7.75KB <code>Array.prototype.filter</code> <code>@babel/plugin-transform-classes</code>

N/A **Minimize main-thread work** TBT Main-thread busy for 976ms

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

CATEGORY	TIME SPENT
Script Evaluation	365ms
Other	325ms
Style & Layout	188ms
Parse HTML & CSS	48ms
Rendering	20ms
Script Parsing & Compilation	19ms
Garbage Collection	9ms

N/A **Reduce the impact of third-party code** TBT Total size was 611KB

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	TRANSFER SIZE	MAIN-THREAD BLOCKING TIME
GOOGLE CDN	416KB	0ms
• https://www.gstatic.com/recaptcha/releases/QquE1_MNjnFHgZF4HPsEcf_2/recaptcha_en.js	390KB	0ms
• https://www.gstatic.com/recaptcha/releases/QquE1_MNjnFHgZF4HPsEcf_2/styles_ltr.css	24.1KB	0ms
GOOGLE FONTS	149KB	0ms
• https://fonts.gstatic.com/s/montserrat/v26/JTUSjlg1_i6t8kCHKm459Wlhyw.woff2	32.9KB	0ms
• https://fonts.gstatic.com/s/inter/v13/UcCO3FwrK3iLTeHuS_fvQtMwCp50KnMw2boKoduKrmMEVul6fAZ9hiA.woff2	22.3KB	0ms
• https://fonts.gstatic.com/s/cormorantgaramond/v16/co3YmX5siCNuHLi8bLeY9MK7whWMhyjQdl9fvgl.woff2	20.6KB	0ms
• https://fonts.gstatic.com/s/cormorantgaramond/v16/co3YmX5siCNuHLi8bLeY9MK7whWMhyjQWlhfvgl.woff2	20.6KB	0ms
• https://fonts.gstatic.com/s/cormorantgaramond/v16/co3bmX5siCNuHLi8bLeY9MK7whWMhyjYqXtKwoff2	20.3KB	0ms
• Other resources	32.0KB	0ms
OTHER GOOGLE APIS/SDKS	46.0KB	0ms
• https://www.google.com/recaptcha/api2/anchor?ar=1&k=6LfnHY4kAAAAAC0LcCQM8VR31onU5B2fC6Nanx2P&co=aHR0cHM6Ly9yZW5hbHI0aXguY29tOjQ0Mw..&hl=en&v=QquE1_MNjnFHgZF4HPsEcf_2&size=invisible&badge=bottomright&cb=37rbowvg990j	28.0KB	0ms
• https://www.google.com/recaptcha/api2/reload?k=6LfnHY4kAAAAAC0LcCQM8VR31onU5B2fC6Nanx2P	9.59KB	0ms
• https://www.google.com/js/bg/oN6JQQxO2CZdhDuvURgc1WDqFpXrbMZ6mY5cTBya2tA.js	7.17KB	0ms

N/A

User Timing marks and measures

No user timings and/or marks found.