

Warnings:

• Lighthouse was unable to automatically check the `font-display` value for the origin https://fonts.gstatic.com.

• Lighthouse was unable to automatically check the `font-display` value for the origin https://c.disquscdn.com.

A Deduce the impact of third party code	
Reduce the impact of third-party code — Third-party code blocked the main thread for 360 ms	~
▲ Some third-party resources can be lazy loaded with a facade — 1 facade alternative available	~
▲ Serve static assets with an efficient cache policy – 25 resources found	~
▲ Reduce JavaScript execution time – 5.1 s	~
Avoid chaining critical requests - 7 chains found	~
● User Timing marks and measures - 5 user timings	~
Keep request counts low and transfer sizes small – 158 requests • 1,899 KiB	~
Largest Contentful Paint element – 1 element found	\checkmark
Avoid large layout shifts – 4 elements found	~
Avoid long main-thread tasks – 20 long tasks found	~
Avoid non-composited animations – 104 animated elements found	~

Passed audits (22)



Accessibility

These checks highlight opportunities to <u>improve the accessibility of your</u> <u>web app</u>. Only a subset of accessibility issues can be automatically detected so manual testing is also encouraged.

Names and labels — These are opportunities to improve the semantics of the controls in your application. This may enhance the experience for users of assistive technology, like a screen reader.

Buttons do not have an accessible name	\sim
<frame/> or <iframe> elements do not have a title</iframe>	~
Image elements do not have [alt] attributes	\sim
Form elements do not have associated labels	~
Links do not have a discernible name	\sim

Contrast – These are opportunities to improve the legibility of your content.

▲ Background and foreground colors do not have a sufficient contrast ratio.

Internationalization and localization — These are opportunities to improve the interpretation of your content by users in different locales.

Additional items to manually check (10) — These items address areas which an automated testing tool cannot cover. Learn more in our guide on <u>conducting an accessibility review</u>.

Passed audits (16)

Not applicable (21)



Best Practices

General ▲ Browser errors were logged to the console ~ ▲ Issues were logged in the Issues panel in Chrome Devtools ~ Passed audits (15) ~ Not applicable (1) ~



These checks ensure that your page is optimized for search engine results ranking. There are additional factors Lighthouse does not check that may affect your search ranking. <u>Learn more</u>.

Content Best Practices - Format your HTML in a way that enables crawlers to better understand your app's content.

Image elements do not have [alt] attributes

Additional items to manually check (1) – Run these additional validators on your site to check additional SEO best v practices.

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PWA

Progressive Web App

These checks validate the aspects of a Progressive Web App. Learn more.

Ð	Installable	
	Web app manifest or service worker do not meet the installability requirements – 1 reason	~
	PWA Optimized	
	Does not register a service worker that controls page and start_url	~
•	Redirects HTTP traffic to HTTPS	~
	Is not configured for a custom splash screen Failures: No manifest was fetched.	~
	Does not set a theme color for the address bar. Failures: No manifest was fetched, No ` <meta name="theme-color"/> ` tag found.	~
	Content is not sized correctly for the viewport The viewport size of 376px does not match the window size of 360px.	~
•	Has a <meta name="viewport"/> tag with width or initial-scale	~
•	Provides a valid apple-touch-icon	~
	Manifest doesn't have a maskable icon No manifest was fetched	~

Additional items to manually check (3) — These checks are required by the baseline <u>PWA Checklist</u> but are not automatically checked by Lighthouse. They do not affect your score but it's important that you verify them manually.

	Runtime Settings
URL	https://3blue1brown.netlify.app/lessons/essence-of-calculus
Fetch Time	Jun 23, 2021, 12:54 AM EDT
Device	Emulated Moto G4
Network throttling	150 ms TCP RTT, 1,638.4 Kbps throughput (Simulated)

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CPU throttling	4x slowdown (Simulated)
Channel	devtools
User agent (host)	Mozilla/5.0 (Macintosh; Intel Mac OS X 10_15_7) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/91.0.4472.106 Safari/537.36
User agent (network)	Mozilla/5.0 (Linux; Android 7.0; Moto G (4)) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/90.0.4420.0 Mobile Safari/537.36 Chrome-Lighthouse
CPU/Memory Power	686
Axe version	4.1.2

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