

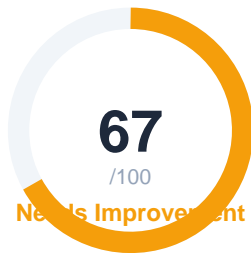
# Core Web Vitals & Page Speed Report

https://www.example.com · Desktop & Mobile · April 2025

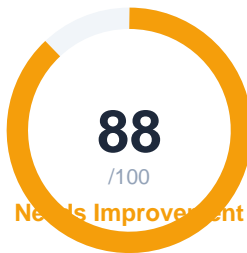
## Overall Performance Scores



Desktop Overall



Mobile Overall



Accessibility



Best Practices

## Core Web Vitals — Desktop

Largest Contentful Paint (LCP)	1.2 s	Good (< 2.5 s)
First Input Delay (FID)	8 ms	Good (< 100 ms)
Cumulative Layout Shift (CLS)	0.04	Good (< 0.1)
Interaction to Next Paint (INP)	140 ms	Needs Improvement (< 200 ms)
First Contentful Paint (FCP)	0.8 s	Good (< 1.8 s)
Time to First Byte (TTFB)	220 ms	Good (< 800 ms)
Speed Index	1.4 s	Good
Total Blocking Time (TBT)	85 ms	Good (< 200 ms)

## Core Web Vitals — Mobile

Largest Contentful Paint (LCP)	3.8 s	Poor (> 4.0 s threshold)
First Input Delay (FID)	24 ms	Good (< 100 ms)
Cumulative Layout Shift (CLS)	0.12	Needs Improvement (< 0.1)
Interaction to Next Paint (INP)	280 ms	Poor (> 200 ms)
First Contentful Paint (FCP)	2.1 s	Needs Improvement
Time to First Byte (TTFB)	410 ms	Good
Speed Index	4.2 s	Poor

Total Blocking Time (TBT)	310 ms	Poor (> 200 ms)
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## Top Optimization Opportunities

Opportunity	Priority	Est. Saving
Eliminate render-blocking resources	HIGH	-1.8 s
Reduce unused JavaScript	HIGH	-1.2 s
Properly size images	HIGH	-0.9 s
Enable text compression (Brotli/gzip)	MEDIUM	-0.5 s
Serve images in next-gen formats (WebP/AVIF)	MEDIUM	-0.4 s
Reduce server response times (TTFB)	MEDIUM	-0.3 s
Minify CSS and JavaScript	LOW	-0.2 s
Implement efficient cache policy	LOW	-0.1 s

## Diagnostics Summary

Diagnostic	Status	Detail
Uses HTTPS	PASS	All resources served over HTTPS
No mixed content	PASS	No HTTP resources on HTTPS page
DOM size	WARN	1,842 elements — recommended < 1,500
Third-party code impact	WARN	Google Tag Manager +340 ms blocking time
Font loading strategy	FAIL	3 web fonts block rendering (preload missing)
Image lazy loading	PASS	All below-fold images use loading='lazy'
Unused CSS	WARN	68 kB of unused CSS rules detected
Long main-thread tasks	FAIL	4 tasks > 50 ms on mobile (longest: 210 ms)

## Recommendations

### 1. Defer non-critical JavaScript

Move analytics and tag manager scripts to load asynchronously. Add defer or async attributes to non-essential script tags.

### 2. Optimize and compress images

Convert PNG/JPEG images to WebP/AVIF. Implement responsive images with srcset. Expected mobile LCP improvement: ~1.2 s.

### 3. Preload critical fonts

Add link rel=preload for web fonts used above the fold to eliminate the render-blocking bottleneck.

### 4. Reduce CLS on mobile

Specify explicit width/height attributes on all img and video elements. Reserve space for ads and embeds with CSS aspect-ratio.

### 5. Split large JavaScript bundles

Implement code-splitting (React.lazy / dynamic import). Serve only the code required for the current route on initial load.