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| --- | --- | --- | --- |
| **Metric** | **10** | **50** | **100** |
| Largest Contentful Paint (LCP) | - ~1.5s  - Optimized: Content loads quickly and smoothly, preloaded images, and fast font loading.  - Non-Optimized: Minor delays due to blocking scripts. | - ~2.5s  - Optimized: Slight delays, smoothness maintained with lazy loading and efficient scripts.  - Non-Optimized: Delays increase as resources compete. | - ~4.5s  - Optimized: Heavy content deferred or split into smaller chunks.  - Non-Optimized: Prolonged blank screens due to sluggish rendering. |
| Cumulative Layout Shift (CLS) | - 0.01  - Optimized: Stable layout, no sudden movements; proper size attributes for images.  - Non-Optimized: Small shifts due to late-loading fonts or ads. | - 0.05  - Optimized: Minor element shifts, planned positioning.  - Non-Optimized: Visible shifts caused by dynamic content like ads. | 0.15  - Optimized: Placeholder elements used for late-loading content.  - Non-Optimized: Frequent layout disruptions from ads or animations. |
| Interaction to Next Paint (INP) | ~100ms  - Optimized: Instant, responsive interactions; minimal JavaScript execution.  - Non-Optimized: Minor delays from unnecessary event listeners. | ~250ms  - Optimized: Smooth with debounced/throttled event listeners.  - Non-Optimized: Heavy scripts cause noticeable interaction lags. | - ~500ms  - Optimized: Main thread tasks prioritized to reduce delays.  - Non-Optimized: Severe delays from long tasks or blocking scripts. |