

# Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.

Hex(5E5E5E) Hex(7A7A7A) Hex(2E2E2E) Hex(6E0012) Hex(ED0027)

|             | Hex(5E5E5E)                        | Hex(7A7A7A)                         | Hex(2E2E2E)                         | Hex(6E0012)                        | Hex(ED0027)                        |
|-------------|------------------------------------|-------------------------------------|-------------------------------------|------------------------------------|------------------------------------|
| Hex(5E5E5E) |                                    | Ratio: 1.51<br>Failed <sup>5</sup>  | Ratio: 2.09<br>Failed <sup>5</sup>  | Ratio: 1.94<br>Failed <sup>5</sup> | Ratio: 1.43<br>Failed <sup>5</sup> |
| Hex(7A7A7A) | Ratio: 1.51<br>Failed <sup>5</sup> |                                     | Ratio: 3.16<br>AA 18pt <sup>2</sup> | Ratio: 2.93<br>Failed <sup>5</sup> | Ratio: 1.06<br>Failed <sup>5</sup> |
| Hex(2E2E2E) | Ratio: 2.09<br>Failed <sup>5</sup> | Ratio: 3.16<br>AA 18pt <sup>2</sup> |                                     | Ratio: 1.08<br>Failed <sup>5</sup> | Ratio: 2.99<br>Failed <sup>5</sup> |
| Hex(6E0012) | Ratio: 1.94<br>Failed <sup>5</sup> | Ratio: 2.93<br>Failed <sup>5</sup>  | Ratio: 1.08<br>Failed <sup>5</sup>  |                                    | Ratio: 2.77<br>Failed <sup>5</sup> |
| Hex(ED0027) | Ratio: 1.43<br>Failed <sup>5</sup> | Ratio: 1.06<br>Failed <sup>5</sup>  | Ratio: 2.99<br>Failed <sup>5</sup>  | Ratio: 2.77<br>Failed <sup>5</sup> |                                    |

Details can be found at <https://www.w3.org/TR/WCAG20/>.

<sup>1</sup> AA

AA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for any text size.

<sup>2</sup> AA 18pt

AA level for large text above 18pt.

<sup>3</sup> AAA

AAA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for any text size.

<sup>4</sup> AAA 18pt

AAA level for large text above 18pt.

<sup>5</sup> Failed

Fails to comply with the Web Content Accessibility Guidelines (WCAG) 2.0.

<sup>6</sup> Passed

Passes the AAA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for all text sizes.

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