

# Converting Colors - WCAG Matrix

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

Hex(5E5D5E) Hex(7A797A) Hex(5D5E5E) Hex(303030) Hex(70002D) Hex(F00060)

|             | Hex(5E5D5E)                        | Hex(7A797A)                         | Hex(5D5E5E)                        | Hex(303030)                         | Hex(70002D)                        | Hex(F00060)                         |
|-------------|------------------------------------|-------------------------------------|------------------------------------|-------------------------------------|------------------------------------|-------------------------------------|
| Hex(5E5D5E) |                                    | Ratio: 1.51<br>Failed <sup>5</sup>  | Ratio: 1.01<br>Failed <sup>5</sup> | Ratio: 2.01<br>Failed <sup>5</sup>  | Ratio: 1.86<br>Failed <sup>5</sup> | Ratio: 1.52<br>Failed <sup>5</sup>  |
| Hex(7A797A) | Ratio: 1.51<br>Failed <sup>5</sup> |                                     | Ratio: 1.50<br>Failed <sup>5</sup> | Ratio: 3.04<br>AA 18pt <sup>2</sup> | Ratio: 2.80<br>Failed <sup>5</sup> | Ratio: 1.01<br>Failed <sup>5</sup>  |
| Hex(5D5E5E) | Ratio: 1.01<br>Failed <sup>5</sup> | Ratio: 1.50<br>Failed <sup>5</sup>  |                                    | Ratio: 2.03<br>Failed <sup>5</sup>  | Ratio: 1.87<br>Failed <sup>5</sup> | Ratio: 1.51<br>Failed <sup>5</sup>  |
| Hex(303030) | Ratio: 2.01<br>Failed <sup>5</sup> | Ratio: 3.04<br>AA 18pt <sup>2</sup> | Ratio: 2.03<br>Failed <sup>5</sup> |                                     | Ratio: 1.09<br>Failed <sup>5</sup> | Ratio: 3.06<br>AA 18pt <sup>2</sup> |
| Hex(70002D) | Ratio: 1.86<br>Failed <sup>5</sup> | Ratio: 2.80<br>Failed <sup>5</sup>  | Ratio: 1.87<br>Failed <sup>5</sup> | Ratio: 1.09<br>Failed <sup>5</sup>  |                                    | Ratio: 2.82<br>Failed <sup>5</sup>  |
| Hex(F00060) | Ratio: 1.52<br>Failed <sup>5</sup> | Ratio: 1.01<br>Failed <sup>5</sup>  | Ratio: 1.51<br>Failed <sup>5</sup> | Ratio: 3.06<br>AA 18pt <sup>2</sup> | Ratio: 2.82<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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