

# Converting Colors - WCAG Matrix

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

**Hex(5C5359) Hex(786972) Hex(5C5B53) Hex(2E292C) Hex(6E0041) Hex(ED008C)**

|             | Hex(5C5359)                        | Hex(786972)                        | Hex(5C5B53)                        | Hex(2E292C)                         | Hex(6E0041)                        | Hex(ED008C)                         |
|-------------|------------------------------------|------------------------------------|------------------------------------|-------------------------------------|------------------------------------|-------------------------------------|
| Hex(5C5359) |                                    | Ratio: 1.43<br>Failed <sup>5</sup> | Ratio: 1.08<br>Failed <sup>5</sup> | Ratio: 1.93<br>Failed <sup>5</sup>  | Ratio: 1.63<br>Failed <sup>5</sup> | Ratio: 1.76<br>Failed <sup>5</sup>  |
| Hex(786972) | Ratio: 1.43<br>Failed <sup>5</sup> |                                    | Ratio: 1.32<br>Failed <sup>5</sup> | Ratio: 2.76<br>Failed <sup>5</sup>  | Ratio: 2.34<br>Failed <sup>5</sup> | Ratio: 1.23<br>Failed <sup>5</sup>  |
| Hex(5C5B53) | Ratio: 1.08<br>Failed <sup>5</sup> | Ratio: 1.32<br>Failed <sup>5</sup> |                                    | Ratio: 2.09<br>Failed <sup>5</sup>  | Ratio: 1.77<br>Failed <sup>5</sup> | Ratio: 1.62<br>Failed <sup>5</sup>  |
| Hex(2E292C) | Ratio: 1.93<br>Failed <sup>5</sup> | Ratio: 2.76<br>Failed <sup>5</sup> | Ratio: 2.09<br>Failed <sup>5</sup> |                                     | Ratio: 1.18<br>Failed <sup>5</sup> | Ratio: 3.39<br>AA 18pt <sup>2</sup> |
| Hex(6E0041) | Ratio: 1.63<br>Failed <sup>5</sup> | Ratio: 2.34<br>Failed <sup>5</sup> | Ratio: 1.77<br>Failed <sup>5</sup> | Ratio: 1.18<br>Failed <sup>5</sup>  |                                    | Ratio: 2.86<br>Failed <sup>5</sup>  |
| Hex(ED008C) | Ratio: 1.76<br>Failed <sup>5</sup> | Ratio: 1.23<br>Failed <sup>5</sup> | Ratio: 1.62<br>Failed <sup>5</sup> | Ratio: 3.39<br>AA 18pt <sup>2</sup> | Ratio: 2.86<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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