

# Converting Colors - WCAG Matrix

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

**Hex(5C4143) Hex(784E51) Hex(515C41) Hex(2E292A) Hex(6E0008) Hex(ED0012)**

|             | Hex(5C4143)  | Hex(784E51)  | Hex(515C41)  | Hex(2E292A)   | Hex(6E0008)  | Hex(ED0012)   |
|-------------|--|--|--|---|--|---|
| Hex(5C4143) |  | <a href="#">Ratio: 1.31</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.29</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.56</a><br>Failed <sup>5</sup>  | <a href="#">Ratio: 1.38</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 2.01</a><br>Failed <sup>5</sup>  |
| Hex(784E51) | <a href="#">Ratio: 1.31</a><br>Failed <sup>5</sup> |  | <a href="#">Ratio: 1.02</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 2.05</a><br>Failed <sup>5</sup>  | <a href="#">Ratio: 1.80</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.53</a><br>Failed <sup>5</sup>  |
| Hex(515C41) | <a href="#">Ratio: 1.29</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.02</a><br>Failed <sup>5</sup> |  | <a href="#">Ratio: 2.02</a><br>Failed <sup>5</sup>  | <a href="#">Ratio: 1.77</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.56</a><br>Failed <sup>5</sup>  |
| Hex(2E292A) | <a href="#">Ratio: 1.56</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 2.05</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 2.02</a><br>Failed <sup>5</sup> |   | <a href="#">Ratio: 1.14</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 3.14</a><br>AA 18pt <sup>2</sup> |
| Hex(6E0008) | <a href="#">Ratio: 1.38</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.80</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.77</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.14</a><br>Failed <sup>5</sup>  |  | <a href="#">Ratio: 2.77</a><br>Failed <sup>5</sup>  |
| Hex(ED0012) | <a href="#">Ratio: 2.01</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.53</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.56</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 3.14</a><br>AA 18pt <sup>2</sup> | <a href="#">Ratio: 2.77</a><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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