

# Converting Colors - WCAG Matrix

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

**Hex(724548) Hex(944D52) Hex(725845) Hex(383233) Hex(780009) Hex(F70012)**

|             | Hex(724548)                                        | Hex(944D52)                                        | Hex(725845)                                        | Hex(383233)                                        | Hex(780009)                                        | Hex(F70012)                                        |
|-------------|----------------------------------------------------|----------------------------------------------------|----------------------------------------------------|----------------------------------------------------|----------------------------------------------------|----------------------------------------------------|
| Hex(724548) |                                                    | <a href="#">Ratio: 1.29</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.20</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.59</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.48</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.87</a><br>Failed <sup>5</sup> |
| Hex(944D52) | <a href="#">Ratio: 1.29</a><br>Failed <sup>5</sup> |                                                    | <a href="#">Ratio: 1.08</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 2.06</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.91</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.44</a><br>Failed <sup>5</sup> |
| Hex(725845) | <a href="#">Ratio: 1.20</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.08</a><br>Failed <sup>5</sup> |                                                    | <a href="#">Ratio: 1.91</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.77</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.55</a><br>Failed <sup>5</sup> |
| Hex(383233) | <a href="#">Ratio: 1.59</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 2.06</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.91</a><br>Failed <sup>5</sup> |                                                    | <a href="#">Ratio: 1.08</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 2.97</a><br>Failed <sup>5</sup> |
| Hex(780009) | <a href="#">Ratio: 1.48</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.91</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.77</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.08</a><br>Failed <sup>5</sup> |                                                    | <a href="#">Ratio: 2.75</a><br>Failed <sup>5</sup> |
| Hex(F70012) | <a href="#">Ratio: 1.87</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.44</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.55</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 2.97</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 2.75</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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