

# Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.  
**Hex(807473) Hex(665C5A) Hex(4E4443) Hex(372E2D) Hex(221918) Hex(000000)**

|                    |   |  |   |   |  |   |
|--------------------|---|--|---|---|--|---|
| <b>Hex(807473)</b> |   | <a href="#">Ratio: 1.44</a><br><a href="#">Failed<sup>5</sup></a>  | <a href="#">Ratio: 2.09</a><br><a href="#">Failed<sup>5</sup></a> | <a href="#">Ratio: 2.93</a><br><a href="#">Failed<sup>5</sup></a> | <a href="#">Ratio: 3.82</a><br><a href="#">AA 18pt<sup>2</sup></a> | <a href="#">Ratio: 4.66</a><br><a href="#">AA<sup>1</sup></a><br><a href="#">AAA 18pt<sup>4</sup></a> |
| <b>Hex(665C5A)</b> | <a href="#">Ratio: 1.44</a><br><a href="#">Failed<sup>5</sup></a>                                     |  | <a href="#">Ratio: 1.45</a><br><a href="#">Failed<sup>5</sup></a> | <a href="#">Ratio: 2.04</a><br><a href="#">Failed<sup>5</sup></a> | <a href="#">Ratio: 2.66</a><br><a href="#">Failed<sup>5</sup></a>  | <a href="#">Ratio: 3.24</a><br><a href="#">AA 18pt<sup>2</sup></a>                                    |
| <b>Hex(4E4443)</b> | <a href="#">Ratio: 2.09</a><br><a href="#">Failed<sup>5</sup></a>                                     | <a href="#">Ratio: 1.45</a><br><a href="#">Failed<sup>5</sup></a>  |   | <a href="#">Ratio: 1.40</a><br><a href="#">Failed<sup>5</sup></a> | <a href="#">Ratio: 1.83</a><br><a href="#">Failed<sup>5</sup></a>  | <a href="#">Ratio: 2.23</a><br><a href="#">Failed<sup>5</sup></a>                                     |
| <b>Hex(372E2D)</b> | <a href="#">Ratio: 2.93</a><br><a href="#">Failed<sup>5</sup></a>                                     | <a href="#">Ratio: 2.04</a><br><a href="#">Failed<sup>5</sup></a>  | <a href="#">Ratio: 1.40</a><br><a href="#">Failed<sup>5</sup></a> |   | <a href="#">Ratio: 1.30</a><br><a href="#">Failed<sup>5</sup></a>  | <a href="#">Ratio: 1.59</a><br><a href="#">Failed<sup>5</sup></a>                                     |
| <b>Hex(221918)</b> | <a href="#">Ratio: 3.82</a><br><a href="#">AA 18pt<sup>2</sup></a>                                    | <a href="#">Ratio: 2.66</a><br><a href="#">Failed<sup>5</sup></a>  | <a href="#">Ratio: 1.83</a><br><a href="#">Failed<sup>5</sup></a> | <a href="#">Ratio: 1.30</a><br><a href="#">Failed<sup>5</sup></a> |  | <a href="#">Ratio: 1.22</a><br><a href="#">Failed<sup>5</sup></a>                                     |
| <b>Hex(000000)</b> | <a href="#">Ratio: 4.66</a><br><a href="#">AA<sup>1</sup></a><br><a href="#">AAA 18pt<sup>4</sup></a> | <a href="#">Ratio: 3.24</a><br><a href="#">AA 18pt<sup>2</sup></a> | <a href="#">Ratio: 2.23</a><br><a href="#">Failed<sup>5</sup></a> | <a href="#">Ratio: 1.59</a><br><a href="#">Failed<sup>5</sup></a> | <a href="#">Ratio: 1.22</a><br><a href="#">Failed<sup>5</sup></a>  |   |

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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