

# Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.  
**Hex(28343D) Hex(474C4F) Hex(283D31) Hex(242729) Hex(A8A8A8) Hex(292929)**

|             | Hex(28343D)   | Hex(474C4F)   | Hex(283D31)   | Hex(242729)   | Hex(A8A8A8)   | Hex(292929)   |
|-------------|---|---|---|---|---|---|
| Hex(28343D) |   | <a href="#">Ratio: 1.46</a><br><a href="#">Failed</a> <sup>5</sup>  | <a href="#">Ratio: 1.09</a><br><a href="#">Failed</a> <sup>5</sup>                                      | <a href="#">Ratio: 1.18</a><br><a href="#">Failed</a> <sup>5</sup>                                      | <a href="#">Ratio: 5.36</a><br><a href="#">AA</a> <sup>1</sup><br><a href="#">AAA 18pt</a> <sup>4</sup> | <a href="#">Ratio: 1.14</a><br><a href="#">Failed</a> <sup>5</sup>                                      |
| Hex(474C4F) | <a href="#">Ratio: 1.46</a><br><a href="#">Failed</a> <sup>5</sup>                                      |   | <a href="#">Ratio: 1.34</a><br><a href="#">Failed</a> <sup>5</sup>                                      | <a href="#">Ratio: 1.73</a><br><a href="#">Failed</a> <sup>5</sup>                                      | <a href="#">Ratio: 3.66</a><br><a href="#">AA 18pt</a> <sup>2</sup>                                     | <a href="#">Ratio: 1.67</a><br><a href="#">Failed</a> <sup>5</sup>                                      |
| Hex(283D31) | <a href="#">Ratio: 1.09</a><br><a href="#">Failed</a> <sup>5</sup>                                      | <a href="#">Ratio: 1.34</a><br><a href="#">Failed</a> <sup>5</sup>  |   | <a href="#">Ratio: 1.29</a><br><a href="#">Failed</a> <sup>5</sup>                                      | <a href="#">Ratio: 4.90</a><br><a href="#">AA</a> <sup>1</sup><br><a href="#">AAA 18pt</a> <sup>4</sup> | <a href="#">Ratio: 1.25</a><br><a href="#">Failed</a> <sup>5</sup>                                      |
| Hex(242729) | <a href="#">Ratio: 1.18</a><br><a href="#">Failed</a> <sup>5</sup>                                      | <a href="#">Ratio: 1.73</a><br><a href="#">Failed</a> <sup>5</sup>  | <a href="#">Ratio: 1.29</a><br><a href="#">Failed</a> <sup>5</sup>                                      |   | <a href="#">Ratio: 6.32</a><br><a href="#">AA</a> <sup>1</sup><br><a href="#">AAA 18pt</a> <sup>4</sup> | <a href="#">Ratio: 1.03</a><br><a href="#">Failed</a> <sup>5</sup>                                      |
| Hex(A8A8A8) | <a href="#">Ratio: 5.36</a><br><a href="#">AA</a> <sup>1</sup><br><a href="#">AAA 18pt</a> <sup>4</sup> | <a href="#">Ratio: 3.66</a><br><a href="#">AA 18pt</a> <sup>2</sup> | <a href="#">Ratio: 4.90</a><br><a href="#">AA</a> <sup>1</sup><br><a href="#">AAA 18pt</a> <sup>4</sup> | <a href="#">Ratio: 6.32</a><br><a href="#">AA</a> <sup>1</sup><br><a href="#">AAA 18pt</a> <sup>4</sup> |   | <a href="#">Ratio: 6.12</a><br><a href="#">AA</a> <sup>1</sup><br><a href="#">AAA 18pt</a> <sup>4</sup> |
| Hex(292929) | <a href="#">Ratio: 1.14</a><br><a href="#">Failed</a> <sup>5</sup>                                      | <a href="#">Ratio: 1.67</a><br><a href="#">Failed</a> <sup>5</sup>  | <a href="#">Ratio: 1.25</a><br><a href="#">Failed</a> <sup>5</sup>                                      | <a href="#">Ratio: 1.03</a><br><a href="#">Failed</a> <sup>5</sup>                                      | <a href="#">Ratio: 6.12</a><br><a href="#">AA</a> <sup>1</sup><br><a href="#">AAA 18pt</a> <sup>4</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.