

# Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.  
**Hex(3F5369) Hex(79818A) Hex(3F6955) Hex(3B4045) Hex(C4C4C4) Hex(454545)**

|             | Hex(3F5369)   | Hex(79818A)  | Hex(3F6955)   | Hex(3B4045)   | Hex(C4C4C4)   | Hex(454545)   |
|-------------|---|--|---|---|---|---|
| Hex(3F5369) |   | <a href="#">Ratio: 2.01</a><br><a href="#">Failed</a> <sup>5</sup> | <a href="#">Ratio: 1.27</a><br><a href="#">Failed</a> <sup>5</sup>  | <a href="#">Ratio: 1.32</a><br><a href="#">Failed</a> <sup>5</sup>                                      | <a href="#">Ratio: 4.54</a><br><a href="#">AA</a> <sup>1</sup><br><a href="#">AAA 18pt</a> <sup>4</sup> | <a href="#">Ratio: 1.21</a><br><a href="#">Failed</a> <sup>5</sup>                                      |
| Hex(79818A) | <a href="#">Ratio: 2.01</a><br><a href="#">Failed</a> <sup>5</sup>                                      |  | <a href="#">Ratio: 1.58</a><br><a href="#">Failed</a> <sup>5</sup>  | <a href="#">Ratio: 2.65</a><br><a href="#">Failed</a> <sup>5</sup>                                      | <a href="#">Ratio: 2.26</a><br><a href="#">Failed</a> <sup>5</sup>                                      | <a href="#">Ratio: 2.43</a><br><a href="#">Failed</a> <sup>5</sup>                                      |
| Hex(3F6955) | <a href="#">Ratio: 1.27</a><br><a href="#">Failed</a> <sup>5</sup>                                      | <a href="#">Ratio: 1.58</a><br><a href="#">Failed</a> <sup>5</sup> |   | <a href="#">Ratio: 1.68</a><br><a href="#">Failed</a> <sup>5</sup>                                      | <a href="#">Ratio: 3.58</a><br><a href="#">AA 18pt</a> <sup>2</sup>                                     | <a href="#">Ratio: 1.54</a><br><a href="#">Failed</a> <sup>5</sup>                                      |
| Hex(3B4045) | <a href="#">Ratio: 1.32</a><br><a href="#">Failed</a> <sup>5</sup>                                      | <a href="#">Ratio: 2.65</a><br><a href="#">Failed</a> <sup>5</sup> | <a href="#">Ratio: 1.68</a><br><a href="#">Failed</a> <sup>5</sup>  |   | <a href="#">Ratio: 6.00</a><br><a href="#">AA</a> <sup>1</sup><br><a href="#">AAA 18pt</a> <sup>4</sup> | <a href="#">Ratio: 1.09</a><br><a href="#">Failed</a> <sup>5</sup>                                      |
| Hex(C4C4C4) | <a href="#">Ratio: 4.54</a><br><a href="#">AA</a> <sup>1</sup><br><a href="#">AAA 18pt</a> <sup>4</sup> | <a href="#">Ratio: 2.26</a><br><a href="#">Failed</a> <sup>5</sup> | <a href="#">Ratio: 3.58</a><br><a href="#">AA 18pt</a> <sup>2</sup> | <a href="#">Ratio: 6.00</a><br><a href="#">AA</a> <sup>1</sup><br><a href="#">AAA 18pt</a> <sup>4</sup> |   | <a href="#">Ratio: 5.50</a><br><a href="#">AA</a> <sup>1</sup><br><a href="#">AAA 18pt</a> <sup>4</sup> |
| Hex(454545) | <a href="#">Ratio: 1.21</a><br><a href="#">Failed</a> <sup>5</sup>                                      | <a href="#">Ratio: 2.43</a><br><a href="#">Failed</a> <sup>5</sup> | <a href="#">Ratio: 1.54</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: 5.50</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.

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