

# Converting Colors - WCAG Matrix

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

**Hex(80A1A1) Hex(C4D1D1) Hex(80A180) Hex(616969) Hex(E8E8E8) Hex(696969)**

| <b>Hex(80A1A1)</b> |                                                                    | <a href="#">Ratio: 1.78</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: 2.02</a><br><a href="#">Failed</a> <sup>5</sup>                                      | <a href="#">Ratio: 2.28</a><br><a href="#">Failed</a> <sup>5</sup>                                      |
|--------------------|--------------------------------------------------------------------|---------------------------------------------------------------------|--------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|
| <b>Hex(C4D1D1)</b> | <a href="#">Ratio: 1.78</a><br><a href="#">Failed</a> <sup>5</sup> |                                                                     | <a href="#">Ratio: 1.83</a><br><a href="#">Failed</a> <sup>5</sup> | <a href="#">Ratio: 3.59</a><br><a href="#">AA 18pt</a> <sup>2</sup>                                     | <a href="#">Ratio: 1.28</a><br><a href="#">Failed</a> <sup>5</sup>                                      |
| <b>Hex(80A180)</b> | <a href="#">Ratio: 1.03</a><br><a href="#">Failed</a> <sup>5</sup> | <a href="#">Ratio: 1.83</a><br><a href="#">Failed</a> <sup>5</sup>  |                                                                    | <a href="#">Ratio: 1.96</a><br><a href="#">Failed</a> <sup>5</sup>                                      | <a href="#">Ratio: 2.34</a><br><a href="#">Failed</a> <sup>5</sup>                                      |
| <b>Hex(616969)</b> | <a href="#">Ratio: 2.02</a><br><a href="#">Failed</a> <sup>5</sup> | <a href="#">Ratio: 3.59</a><br><a href="#">AA 18pt</a> <sup>2</sup> | <a href="#">Ratio: 1.96</a><br><a href="#">Failed</a> <sup>5</sup> |                                                                                                         | <a href="#">Ratio: 4.59</a><br><a href="#">AA</a> <sup>1</sup><br><a href="#">AAA 18pt</a> <sup>4</sup> |
| <b>Hex(E8E8E8)</b> | <a href="#">Ratio: 2.28</a><br><a href="#">Failed</a> <sup>5</sup> | <a href="#">Ratio: 1.28</a><br><a href="#">Failed</a> <sup>5</sup>  | <a href="#">Ratio: 2.34</a><br><a href="#">Failed</a> <sup>5</sup> | <a href="#">Ratio: 4.59</a><br><a href="#">AA</a> <sup>1</sup><br><a href="#">AAA 18pt</a> <sup>4</sup> |                                                                                                         |
| <b>Hex(696969)</b> | <a href="#">Ratio: 1.97</a><br><a href="#">Failed</a> <sup>5</sup> | <a href="#">Ratio: 3.50</a><br><a href="#">AA 18pt</a> <sup>2</sup> | <a href="#">Ratio: 1.92</a><br><a href="#">Failed</a> <sup>5</sup> | <a href="#">Ratio: 1.02</a><br><a href="#">Failed</a> <sup>5</sup>                                      | <a href="#">Ratio: 4.48</a><br><a href="#">AA 18pt</a> <sup>2</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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