

# Converting Colors - WCAG Matrix

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

|             | Hex(D3D3D3)                                                         | Hex(FFFFFF)                                                         | Hex(808080)                                                                                             | Hex(000000)                                                                                             |
|-------------|---------------------------------------------------------------------|---------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|
|             |                                                                     |                                                                     |                                                                                                         |                                                                                                         |
| Hex(D3D3D3) |                                                                     | <a href="#">Ratio: 1.50</a><br><a href="#">Failed</a> <sup>5</sup>  | <a href="#">Ratio: 2.64</a><br><a href="#">Failed</a> <sup>5</sup>                                      | <a href="#">Ratio: 14.03</a><br><a href="#">Passed</a> <sup>6</sup>                                     |
| Hex(FFFFFF) | <a href="#">Ratio: 1.50</a><br><a href="#">Failed</a> <sup>5</sup>  |                                                                     | <a href="#">Ratio: 3.95</a><br><a href="#">AA 18pt</a> <sup>2</sup>                                     | <a href="#">Ratio: 21.00</a><br><a href="#">Passed</a> <sup>6</sup>                                     |
| Hex(808080) | <a href="#">Ratio: 2.64</a><br><a href="#">Failed</a> <sup>5</sup>  | <a href="#">Ratio: 3.95</a><br><a href="#">AA 18pt</a> <sup>2</sup> |                                                                                                         | <a href="#">Ratio: 5.32</a><br><a href="#">AA</a> <sup>1</sup><br><a href="#">AAA 18pt</a> <sup>4</sup> |
| Hex(000000) | <a href="#">Ratio: 14.03</a><br><a href="#">Passed</a> <sup>6</sup> | <a href="#">Ratio: 21.00</a><br><a href="#">Passed</a> <sup>6</sup> | <a href="#">Ratio: 5.32</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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