

# Converting Colors - WCAG Matrix

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

|             | Hex(FFFFFF)                                                         | Hex(808080)                                                         | Hex(00BFBF)                                                                                             | Hex(004040)                                                                                             |
|-------------|---------------------------------------------------------------------|---------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|
| Hex(FFFFFF) |                                                                     | <a href="#">Ratio: 3.95</a><br><a href="#">AA 18pt</a> <sup>2</sup> | <a href="#">Ratio: 2.28</a><br><a href="#">Failed</a> <sup>5</sup>                                      | <a href="#">Ratio: 11.62</a><br><a href="#">Passed</a> <sup>6</sup>                                     |
| Hex(808080) | <a href="#">Ratio: 3.95</a><br><a href="#">AA 18pt</a> <sup>2</sup> |                                                                     | <a href="#">Ratio: 1.73</a><br><a href="#">Failed</a> <sup>5</sup>                                      | <a href="#">Ratio: 2.94</a><br><a href="#">Failed</a> <sup>5</sup>                                      |
| Hex(00BFBF) | <a href="#">Ratio: 2.28</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: 5.09</a><br><a href="#">AA</a> <sup>1</sup><br><a href="#">AAA 18pt</a> <sup>4</sup> |
| Hex(004040) | <a href="#">Ratio: 11.62</a><br><a href="#">Passed</a> <sup>6</sup> | <a href="#">Ratio: 2.94</a><br><a href="#">Failed</a> <sup>5</sup>  | <a href="#">Ratio: 5.09</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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