

# Converting Colors - WCAG Matrix

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

**Hex(988B90) Hex(C4B1B8) Hex(988C8B) Hex(4D4548) Hex(8C0036) Hex(0D0005)**

|             | Hex(988B90)                                                                                             | Hex(C4B1B8)                                                                                             | Hex(988C8B)                                                                                             | Hex(4D4548)                                                                                             | Hex(8C0036)                                                                                             | Hex(0D0005)                                                                                             |
|-------------|---------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|
| Hex(988B90) |                                                                                                         | <a href="#">Ratio: 1.61</a><br><a href="#">Failed</a> <sup>5</sup>                                      | <a href="#">Ratio: 1.00</a><br><a href="#">Failed</a> <sup>5</sup>                                      | <a href="#">Ratio: 2.84</a><br><a href="#">Failed</a> <sup>5</sup>                                      | <a href="#">Ratio: 2.97</a><br><a href="#">Failed</a> <sup>5</sup>                                      | <a href="#">Ratio: 6.31</a><br><a href="#">AA</a> <sup>1</sup><br><a href="#">AAA 18pt</a> <sup>4</sup> |
| Hex(C4B1B8) | <a href="#">Ratio: 1.61</a><br><a href="#">Failed</a> <sup>5</sup>                                      |                                                                                                         | <a href="#">Ratio: 1.60</a><br><a href="#">Failed</a> <sup>5</sup>                                      | <a href="#">Ratio: 4.57</a><br><a href="#">AA</a> <sup>1</sup><br><a href="#">AAA 18pt</a> <sup>4</sup> | <a href="#">Ratio: 4.76</a><br><a href="#">AA</a> <sup>1</sup><br><a href="#">AAA 18pt</a> <sup>4</sup> | <a href="#">Ratio: 10.13</a><br><a href="#">Passed</a> <sup>6</sup>                                     |
| Hex(988C8B) | <a href="#">Ratio: 1.00</a><br><a href="#">Failed</a> <sup>5</sup>                                      | <a href="#">Ratio: 1.60</a><br><a href="#">Failed</a> <sup>5</sup>                                      |                                                                                                         | <a href="#">Ratio: 2.86</a><br><a href="#">Failed</a> <sup>5</sup>                                      | <a href="#">Ratio: 2.98</a><br><a href="#">Failed</a> <sup>5</sup>                                      | <a href="#">Ratio: 6.34</a><br><a href="#">AA</a> <sup>1</sup><br><a href="#">AAA 18pt</a> <sup>4</sup> |
| Hex(4D4548) | <a href="#">Ratio: 2.84</a><br><a href="#">Failed</a> <sup>5</sup>                                      | <a href="#">Ratio: 4.57</a><br><a href="#">AA</a> <sup>1</sup><br><a href="#">AAA 18pt</a> <sup>4</sup> | <a href="#">Ratio: 2.86</a><br><a href="#">Failed</a> <sup>5</sup>                                      |                                                                                                         | <a href="#">Ratio: 1.04</a><br><a href="#">Failed</a> <sup>5</sup>                                      | <a href="#">Ratio: 2.22</a><br><a href="#">Failed</a> <sup>5</sup>                                      |
| Hex(8C0036) | <a href="#">Ratio: 2.97</a><br><a href="#">Failed</a> <sup>5</sup>                                      | <a href="#">Ratio: 4.76</a><br><a href="#">AA</a> <sup>1</sup><br><a href="#">AAA 18pt</a> <sup>4</sup> | <a href="#">Ratio: 2.98</a><br><a href="#">Failed</a> <sup>5</sup>                                      | <a href="#">Ratio: 1.04</a><br><a href="#">Failed</a> <sup>5</sup>                                      |                                                                                                         | <a href="#">Ratio: 2.13</a><br><a href="#">Failed</a> <sup>5</sup>                                      |
| Hex(0D0005) | <a href="#">Ratio: 6.31</a><br><a href="#">AA</a> <sup>1</sup><br><a href="#">AAA 18pt</a> <sup>4</sup> | <a href="#">Ratio: 10.13</a><br><a href="#">Passed</a> <sup>6</sup>                                     | <a href="#">Ratio: 6.34</a><br><a href="#">AA</a> <sup>1</sup><br><a href="#">AAA 18pt</a> <sup>4</sup> | <a href="#">Ratio: 2.22</a><br><a href="#">Failed</a> <sup>5</sup>                                      | <a href="#">Ratio: 2.13</a><br><a href="#">Failed</a> <sup>5</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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