

# Converting Colors - WCAG Matrix

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

**Hex(CBBFBF) Hex(FFFAFA) Hex(CBBFCB) Hex(807D7D) Hex(FFFFFF) Hex(808080)**

|             | Hex(CBBFBF)   | Hex(FFFAFA)  | Hex(CBBFCB)   | Hex(807D7D)  | Hex(FFFFFF)  | Hex(808080)  |
|-------------|---|--|---|--|--|--|
| Hex(CBBFBF) |   | <a href="#">Ratio: 1.73</a><br><a href="#">Failed<sup>5</sup></a>  | <a href="#">Ratio: 1.01</a><br><a href="#">Failed<sup>5</sup></a> | <a href="#">Ratio: 2.28</a><br><a href="#">Failed<sup>5</sup></a>  | <a href="#">Ratio: 1.79</a><br><a href="#">Failed<sup>5</sup></a>  | <a href="#">Ratio: 2.21</a><br><a href="#">Failed<sup>5</sup></a>  |
| Hex(FFFAFA) | <a href="#">Ratio: 1.73</a><br><a href="#">Failed<sup>5</sup></a> |  | <a href="#">Ratio: 1.71</a><br><a href="#">Failed<sup>5</sup></a> | <a href="#">Ratio: 3.95</a><br><a href="#">AA 18pt<sup>2</sup></a> | <a href="#">Ratio: 1.03</a><br><a href="#">Failed<sup>5</sup></a>  | <a href="#">Ratio: 3.82</a><br><a href="#">AA 18pt<sup>2</sup></a> |
| Hex(CBBFCB) | <a href="#">Ratio: 1.01</a><br><a href="#">Failed<sup>5</sup></a> | <a href="#">Ratio: 1.71</a><br><a href="#">Failed<sup>5</sup></a>  |   | <a href="#">Ratio: 2.30</a><br><a href="#">Failed<sup>5</sup></a>  | <a href="#">Ratio: 1.77</a><br><a href="#">Failed<sup>5</sup></a>  | <a href="#">Ratio: 2.23</a><br><a href="#">Failed<sup>5</sup></a>  |
| Hex(807D7D) | <a href="#">Ratio: 2.28</a><br><a href="#">Failed<sup>5</sup></a> | <a href="#">Ratio: 3.95</a><br><a href="#">AA 18pt<sup>2</sup></a> | <a href="#">Ratio: 2.30</a><br><a href="#">Failed<sup>5</sup></a> |  | <a href="#">Ratio: 4.08</a><br><a href="#">AA 18pt<sup>2</sup></a> | <a href="#">Ratio: 1.03</a><br><a href="#">Failed<sup>5</sup></a>  |
| Hex(FFFFFF) | <a href="#">Ratio: 1.79</a><br><a href="#">Failed<sup>5</sup></a> | <a href="#">Ratio: 1.03</a><br><a href="#">Failed<sup>5</sup></a>  | <a href="#">Ratio: 1.77</a><br><a href="#">Failed<sup>5</sup></a> | <a href="#">Ratio: 4.08</a><br><a href="#">AA 18pt<sup>2</sup></a> |  | <a href="#">Ratio: 3.95</a><br><a href="#">AA 18pt<sup>2</sup></a> |
| Hex(808080) | <a href="#">Ratio: 2.21</a><br><a href="#">Failed<sup>5</sup></a> | <a href="#">Ratio: 3.82</a><br><a href="#">AA 18pt<sup>2</sup></a> | <a href="#">Ratio: 2.23</a><br><a href="#">Failed<sup>5</sup></a> | <a href="#">Ratio: 1.03</a><br><a href="#">Failed<sup>5</sup></a>  | <a href="#">Ratio: 3.95</a><br><a href="#">AA 18pt<sup>2</sup></a> |  |

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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