

# Converting Colors - WCAG Matrix

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

Hex(926692) Hex(FFFFFF) Hex(C99AC8) Hex(E5B5E4) Hex(FFD0FF) Hex(FFEDFF)

| Hex(926692) |                                                                                                         | <a href="#">Ratio: 4.63</a><br><a href="#">AA</a> <sup>1</sup><br><a href="#">AAA 18pt</a> <sup>4</sup> | <a href="#">Ratio: 1.97</a><br><a href="#">Failed</a> <sup>5</sup> | <a href="#">Ratio: 2.66</a><br><a href="#">Failed</a> <sup>5</sup> | <a href="#">Ratio: 3.46</a><br><a href="#">AA 18pt</a> <sup>2</sup> | <a href="#">Ratio: 4.15</a><br><a href="#">AA 18pt</a> <sup>2</sup> |
|-------------|---------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|--------------------------------------------------------------------|---------------------------------------------------------------------|---------------------------------------------------------------------|
| Hex(FFFFFF) | <a href="#">Ratio: 4.63</a><br><a href="#">AA</a> <sup>1</sup><br><a href="#">AAA 18pt</a> <sup>4</sup> |                                                                                                         | <a href="#">Ratio: 2.35</a><br><a href="#">Failed</a> <sup>5</sup> | <a href="#">Ratio: 1.74</a><br><a href="#">Failed</a> <sup>5</sup> | <a href="#">Ratio: 1.34</a><br><a href="#">Failed</a> <sup>5</sup>  | <a href="#">Ratio: 1.12</a><br><a href="#">Failed</a> <sup>5</sup>  |
| Hex(C99AC8) | <a href="#">Ratio: 1.97</a><br><a href="#">Failed</a> <sup>5</sup>                                      | <a href="#">Ratio: 2.35</a><br><a href="#">Failed</a> <sup>5</sup>                                      |                                                                    | <a href="#">Ratio: 1.35</a><br><a href="#">Failed</a> <sup>5</sup> | <a href="#">Ratio: 1.76</a><br><a href="#">Failed</a> <sup>5</sup>  | <a href="#">Ratio: 2.10</a><br><a href="#">Failed</a> <sup>5</sup>  |
| Hex(E5B5E4) | <a href="#">Ratio: 2.66</a><br><a href="#">Failed</a> <sup>5</sup>                                      | <a href="#">Ratio: 1.74</a><br><a href="#">Failed</a> <sup>5</sup>                                      | <a href="#">Ratio: 1.35</a><br><a href="#">Failed</a> <sup>5</sup> |                                                                    | <a href="#">Ratio: 1.30</a><br><a href="#">Failed</a> <sup>5</sup>  | <a href="#">Ratio: 1.56</a><br><a href="#">Failed</a> <sup>5</sup>  |
| Hex(FFD0FF) | <a href="#">Ratio: 3.46</a><br><a href="#">AA 18pt</a> <sup>2</sup>                                     | <a href="#">Ratio: 1.34</a><br><a href="#">Failed</a> <sup>5</sup>                                      | <a href="#">Ratio: 1.76</a><br><a href="#">Failed</a> <sup>5</sup> | <a href="#">Ratio: 1.30</a><br><a href="#">Failed</a> <sup>5</sup> |                                                                     | <a href="#">Ratio: 1.20</a><br><a href="#">Failed</a> <sup>5</sup>  |
| Hex(FFEDFF) | <a href="#">Ratio: 4.15</a><br><a href="#">AA 18pt</a> <sup>2</sup>                                     | <a href="#">Ratio: 1.12</a><br><a href="#">Failed</a> <sup>5</sup>                                      | <a href="#">Ratio: 2.10</a><br><a href="#">Failed</a> <sup>5</sup> | <a href="#">Ratio: 1.56</a><br><a href="#">Failed</a> <sup>5</sup> | <a href="#">Ratio: 1.20</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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