

# Converting Colors - WCAG Matrix

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

Hex(8DC0E5) Hex(E3F3FF) Hex(8DE5B2) Hex(6F7980) Hex(000000) Hex(808080)

|             | Hex(8DC0E5)   | Hex(E3F3FF)   | Hex(8DE5B2)   | Hex(6F7980)   | Hex(000000)   | Hex(808080)   |
|-------------|---|---|---|---|---|---|
| Hex(8DC0E5) |   | <a href="#">Ratio: 1.72</a><br>Failed <sup>5</sup>  | <a href="#">Ratio: 1.29</a><br>Failed <sup>5</sup>  | <a href="#">Ratio: 2.29</a><br>Failed <sup>5</sup>                      | <a href="#">Ratio: 10.80</a><br>Passed <sup>6</sup>                     | <a href="#">Ratio: 2.03</a><br>Failed <sup>5</sup>                      |
| Hex(E3F3FF) | <a href="#">Ratio: 1.72</a><br>Failed <sup>5</sup>  |   | <a href="#">Ratio: 1.33</a><br>Failed <sup>5</sup>  | <a href="#">Ratio: 3.92</a><br>AA 18pt <sup>2</sup>                     | <a href="#">Ratio: 18.53</a><br>Passed <sup>6</sup>                     | <a href="#">Ratio: 3.48</a><br>AA 18pt <sup>2</sup>                     |
| Hex(8DE5B2) | <a href="#">Ratio: 1.29</a><br>Failed <sup>5</sup>  | <a href="#">Ratio: 1.33</a><br>Failed <sup>5</sup>  |   | <a href="#">Ratio: 2.96</a><br>Failed <sup>5</sup>                      | <a href="#">Ratio: 13.98</a><br>Passed <sup>6</sup>                     | <a href="#">Ratio: 2.63</a><br>Failed <sup>5</sup>                      |
| Hex(6F7980) | <a href="#">Ratio: 2.29</a><br>Failed <sup>5</sup>  | <a href="#">Ratio: 3.92</a><br>AA 18pt <sup>2</sup> | <a href="#">Ratio: 2.96</a><br>Failed <sup>5</sup>  |   | <a href="#">Ratio: 4.72</a><br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | <a href="#">Ratio: 1.13</a><br>Failed <sup>5</sup>                      |
| Hex(000000) | <a href="#">Ratio: 10.80</a><br>Passed <sup>6</sup> | <a href="#">Ratio: 18.53</a><br>Passed <sup>6</sup> | <a href="#">Ratio: 13.98</a><br>Passed <sup>6</sup> | <a href="#">Ratio: 4.72</a><br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |   | <a href="#">Ratio: 5.32</a><br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(808080) | <a href="#">Ratio: 2.03</a><br>Failed <sup>5</sup>  | <a href="#">Ratio: 3.48</a><br>AA 18pt <sup>2</sup> | <a href="#">Ratio: 2.63</a><br>Failed <sup>5</sup>  | <a href="#">Ratio: 1.13</a><br>Failed <sup>5</sup>                      | <a href="#">Ratio: 5.32</a><br>AA <sup>1</sup><br>AAA 18pt <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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