

# Converting Colors - WCAG Matrix

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

**Hex(00DBC3) Hex(B3FFF7) Hex(1ADB00) Hex(52807B) Hex(FFFFFF) Hex(808080)**

|             | Hex(00DBC3)  | Hex(B3FFF7)   | Hex(1ADB00)  | Hex(52807B)   | Hex(FFFFFF)   | Hex(808080)   |
|-------------|--|---|--|---|---|---|
| Hex(00DBC3) |  | <a href="#">Ratio: 1.56</a><br>Failed <sup>5</sup>  | <a href="#">Ratio: 1.07</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 2.52</a><br>Failed <sup>5</sup>  | <a href="#">Ratio: 1.76</a><br>Failed <sup>5</sup>  | <a href="#">Ratio: 2.24</a><br>Failed <sup>5</sup>  |
| Hex(B3FFF7) | <a href="#">Ratio: 1.56</a><br>Failed <sup>5</sup> |   | <a href="#">Ratio: 1.66</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 3.92</a><br>AA 18pt <sup>2</sup> | <a href="#">Ratio: 1.13</a><br>Failed <sup>5</sup>  | <a href="#">Ratio: 3.49</a><br>AA 18pt <sup>2</sup> |
| Hex(1ADB00) | <a href="#">Ratio: 1.07</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.66</a><br>Failed <sup>5</sup>  |  | <a href="#">Ratio: 2.36</a><br>Failed <sup>5</sup>  | <a href="#">Ratio: 1.88</a><br>Failed <sup>5</sup>  | <a href="#">Ratio: 2.10</a><br>Failed <sup>5</sup>  |
| Hex(52807B) | <a href="#">Ratio: 2.52</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 3.92</a><br>AA 18pt <sup>2</sup> | <a href="#">Ratio: 2.36</a><br>Failed <sup>5</sup> |   | <a href="#">Ratio: 4.44</a><br>AA 18pt <sup>2</sup> | <a href="#">Ratio: 1.12</a><br>Failed <sup>5</sup>  |
| Hex(FFFFFF) | <a href="#">Ratio: 1.76</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.13</a><br>Failed <sup>5</sup>  | <a href="#">Ratio: 1.88</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 4.44</a><br>AA 18pt <sup>2</sup> |   | <a href="#">Ratio: 3.95</a><br>AA 18pt <sup>2</sup> |
| Hex(808080) | <a href="#">Ratio: 2.24</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 3.49</a><br>AA 18pt <sup>2</sup> | <a href="#">Ratio: 2.10</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.12</a><br>Failed <sup>5</sup>  | <a href="#">Ratio: 3.95</a><br>AA 18pt <sup>2</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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