

# Converting Colors - WCAG Matrix

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

**Hex(3FEFAF) Hex(FFFFFF) Hex(86FFE7) Hex(A5FFFF) Hex(C5FFFF) Hex(E4FFFF)**

|             | Hex(3FEFAF)                                        | Hex(FFFFFF)                                        | Hex(86FFE7)                                        | Hex(A5FFFF)                                        | Hex(C5FFFF)                                        | Hex(E4FFFF)                                        |
|-------------|----------------------------------------------------|----------------------------------------------------|----------------------------------------------------|----------------------------------------------------|----------------------------------------------------|----------------------------------------------------|
| Hex(3FEFAF) |                                                    | <a href="#">Ratio: 1.48</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.23</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.29</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.35</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.41</a><br>Failed <sup>5</sup> |
| Hex(FFFFFF) | <a href="#">Ratio: 1.48</a><br>Failed <sup>5</sup> |                                                    | <a href="#">Ratio: 1.20</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.14</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.10</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.05</a><br>Failed <sup>5</sup> |
| Hex(86FFE7) | <a href="#">Ratio: 1.23</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.20</a><br>Failed <sup>5</sup> |                                                    | <a href="#">Ratio: 1.05</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.09</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.15</a><br>Failed <sup>5</sup> |
| Hex(A5FFFF) | <a href="#">Ratio: 1.29</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.14</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.05</a><br>Failed <sup>5</sup> |                                                    | <a href="#">Ratio: 1.04</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.09</a><br>Failed <sup>5</sup> |
| Hex(C5FFFF) | <a href="#">Ratio: 1.35</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.10</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.09</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.04</a><br>Failed <sup>5</sup> |                                                    | <a href="#">Ratio: 1.05</a><br>Failed <sup>5</sup> |
| Hex(E4FFFF) | <a href="#">Ratio: 1.41</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.05</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.15</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.09</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.05</a><br>Failed <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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