

# Converting Colors - WCAG Matrix

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

**Hex(B0DBFF) Hex(CAE7FF) Hex(E3F2FF) Hex(FDFEFF) Hex(FFFFFF)**

| Hex(B0DBFF) |                                                                   | <a href="#">Ratio: 1.14</a><br><a href="#">Failed<sup>5</sup></a> | <a href="#">Ratio: 1.28</a><br><a href="#">Failed<sup>5</sup></a> | <a href="#">Ratio: 1.44</a><br><a href="#">Failed<sup>5</sup></a> |
|-------------|-------------------------------------------------------------------|-------------------------------------------------------------------|-------------------------------------------------------------------|-------------------------------------------------------------------|
| Hex(CAE7FF) | <a href="#">Ratio: 1.14</a><br><a href="#">Failed<sup>5</sup></a> |                                                                   | <a href="#">Ratio: 1.12</a><br><a href="#">Failed<sup>5</sup></a> | <a href="#">Ratio: 1.27</a><br><a href="#">Failed<sup>5</sup></a> |
| Hex(E3F2FF) | <a href="#">Ratio: 1.28</a><br><a href="#">Failed<sup>5</sup></a> | <a href="#">Ratio: 1.12</a><br><a href="#">Failed<sup>5</sup></a> |                                                                   | <a href="#">Ratio: 1.13</a><br><a href="#">Failed<sup>5</sup></a> |
| Hex(FDFEFF) | <a href="#">Ratio: 1.44</a><br><a href="#">Failed<sup>5</sup></a> | <a href="#">Ratio: 1.27</a><br><a href="#">Failed<sup>5</sup></a> | <a href="#">Ratio: 1.13</a><br><a href="#">Failed<sup>5</sup></a> |                                                                   |
| Hex(FFFFFF) | <a href="#">Ratio: 1.46</a><br><a href="#">Failed<sup>5</sup></a> | <a href="#">Ratio: 1.28</a><br><a href="#">Failed<sup>5</sup></a> | <a href="#">Ratio: 1.14</a><br><a href="#">Failed<sup>5</sup></a> | <a href="#">Ratio: 1.01</a><br><a href="#">Failed<sup>5</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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