

# Converting Colors - WCAG Matrix

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

|             | Hex(2C5DC3)                                             | Hex(FFFFFF)                                             | Hex(708FFC)                        | Hex(8EA9FF)                        | Hex(ACC4FF)                         | Hex(CAE0FF)                                             | Hex(E8FCFF)                                             |
|-------------|---------------------------------------------------------|---------------------------------------------------------|------------------------------------|------------------------------------|-------------------------------------|---------------------------------------------------------|---------------------------------------------------------|
| Hex(2C5DC3) |                                                         | Ratio: 6.07<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 2.03<br>Failed <sup>5</sup> | Ratio: 2.68<br>Failed <sup>5</sup> | Ratio: 3.49<br>AA 18pt <sup>2</sup> | Ratio: 4.51<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 5.72<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(FFFFFF) | Ratio: 6.07<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |                                                         | Ratio: 2.99<br>Failed <sup>5</sup> | Ratio: 2.27<br>Failed <sup>5</sup> | Ratio: 1.74<br>Failed <sup>5</sup>  | Ratio: 1.34<br>Failed <sup>5</sup>                      | Ratio: 1.06<br>Failed <sup>5</sup>                      |
| Hex(708FFC) | Ratio: 2.03<br>Failed <sup>5</sup>                      | Ratio: 2.99<br>Failed <sup>5</sup>                      |                                    | Ratio: 1.32<br>Failed <sup>5</sup> | Ratio: 1.72<br>Failed <sup>5</sup>  | Ratio: 2.22<br>Failed <sup>5</sup>                      | Ratio: 2.82<br>Failed <sup>5</sup>                      |
| Hex(8EA9FF) | Ratio: 2.68<br>Failed <sup>5</sup>                      | Ratio: 2.27<br>Failed <sup>5</sup>                      | Ratio: 1.32<br>Failed <sup>5</sup> |                                    | Ratio: 1.30<br>Failed <sup>5</sup>  | Ratio: 1.68<br>Failed <sup>5</sup>                      | Ratio: 2.14<br>Failed <sup>5</sup>                      |
| Hex(ACC4FF) | Ratio: 3.49<br>AA 18pt <sup>2</sup>                     | Ratio: 1.74<br>Failed <sup>5</sup>                      | Ratio: 1.72<br>Failed <sup>5</sup> | Ratio: 1.30<br>Failed <sup>5</sup> |                                     | Ratio: 1.29<br>Failed <sup>5</sup>                      | Ratio: 1.64<br>Failed <sup>5</sup>                      |
| Hex(CAE0FF) | Ratio: 4.51<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 1.34<br>Failed <sup>5</sup>                      | Ratio: 2.22<br>Failed <sup>5</sup> | Ratio: 1.68<br>Failed <sup>5</sup> | Ratio: 1.29<br>Failed <sup>5</sup>  |                                                         | Ratio: 1.27<br>Failed <sup>5</sup>                      |
| Hex(E8FCFF) | Ratio: 5.72<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 1.06<br>Failed <sup>5</sup>                      | Ratio: 2.82<br>Failed <sup>5</sup> | Ratio: 2.14<br>Failed <sup>5</sup> | Ratio: 1.64<br>Failed <sup>5</sup>  | Ratio: 1.27<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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