

# Converting Colors - WCAG Matrix

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

|             | Hex(7C80FF)                         | Hex(9599FF)                        | Hex(AFB1FF)                        | Hex(C8CAFF)                        | Hex(E2E3FF)                        | Hex(FBFBFF)                         | Hex(FFFFFF)                         |
|-------------|-------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|-------------------------------------|-------------------------------------|
| Hex(7C80FF) |                                     | Ratio: 1.30<br>Failed <sup>5</sup> | Ratio: 1.65<br>Failed <sup>5</sup> | Ratio: 2.09<br>Failed <sup>5</sup> | Ratio: 2.61<br>Failed <sup>5</sup> | Ratio: 3.18<br>AA 18pt <sup>2</sup> | Ratio: 3.29<br>AA 18pt <sup>2</sup> |
| Hex(9599FF) | Ratio: 1.30<br>Failed <sup>5</sup>  |                                    | Ratio: 1.28<br>Failed <sup>5</sup> | Ratio: 1.61<br>Failed <sup>5</sup> | Ratio: 2.01<br>Failed <sup>5</sup> | Ratio: 2.46<br>Failed <sup>5</sup>  | Ratio: 2.54<br>Failed <sup>5</sup>  |
| Hex(AFB1FF) | Ratio: 1.65<br>Failed <sup>5</sup>  | Ratio: 1.28<br>Failed <sup>5</sup> |                                    | Ratio: 1.26<br>Failed <sup>5</sup> | Ratio: 1.58<br>Failed <sup>5</sup> | Ratio: 1.93<br>Failed <sup>5</sup>  | Ratio: 1.99<br>Failed <sup>5</sup>  |
| Hex(C8CAFF) | Ratio: 2.09<br>Failed <sup>5</sup>  | Ratio: 1.61<br>Failed <sup>5</sup> | Ratio: 1.26<br>Failed <sup>5</sup> |                                    | Ratio: 1.25<br>Failed <sup>5</sup> | Ratio: 1.52<br>Failed <sup>5</sup>  | Ratio: 1.57<br>Failed <sup>5</sup>  |
| Hex(E2E3FF) | Ratio: 2.61<br>Failed <sup>5</sup>  | Ratio: 2.01<br>Failed <sup>5</sup> | Ratio: 1.58<br>Failed <sup>5</sup> | Ratio: 1.25<br>Failed <sup>5</sup> |                                    | Ratio: 1.22<br>Failed <sup>5</sup>  | Ratio: 1.26<br>Failed <sup>5</sup>  |
| Hex(FBFBFF) | Ratio: 3.18<br>AA 18pt <sup>2</sup> | Ratio: 2.46<br>Failed <sup>5</sup> | Ratio: 1.93<br>Failed <sup>5</sup> | Ratio: 1.52<br>Failed <sup>5</sup> | Ratio: 1.22<br>Failed <sup>5</sup> |                                     | Ratio: 1.03<br>Failed <sup>5</sup>  |
| Hex(FFFFFF) | Ratio: 3.29<br>AA 18pt <sup>2</sup> | Ratio: 2.54<br>Failed <sup>5</sup> | Ratio: 1.99<br>Failed <sup>5</sup> | Ratio: 1.57<br>Failed <sup>5</sup> | Ratio: 1.26<br>Failed <sup>5</sup> | Ratio: 1.03<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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