

# Converting Colors - WCAG Matrix

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

**Hex(7B8AC6) Hex(FFFFFF) Hex(B2BFFF) Hex(CEDBFF) Hex(EBF7FF)**

|             | Hex(7B8AC6)                         | Hex(FFFFFF)                         | Hex(B2BFFF)                        | Hex(CEDBFF)                        | Hex(EBF7FF)                         |
|-------------|-------------------------------------|-------------------------------------|------------------------------------|------------------------------------|-------------------------------------|
| Hex(7B8AC6) |                                     | Ratio: 3.34<br>AA 18pt <sup>2</sup> | Ratio: 1.87<br>Failed <sup>5</sup> | Ratio: 2.42<br>Failed <sup>5</sup> | Ratio: 3.06<br>AA 18pt <sup>2</sup> |
| Hex(FFFFFF) | Ratio: 3.34<br>AA 18pt <sup>2</sup> |                                     | Ratio: 1.78<br>Failed <sup>5</sup> | Ratio: 1.38<br>Failed <sup>5</sup> | Ratio: 1.09<br>Failed <sup>5</sup>  |
| Hex(B2BFFF) | Ratio: 1.87<br>Failed <sup>5</sup>  | Ratio: 1.78<br>Failed <sup>5</sup>  |                                    | Ratio: 1.29<br>Failed <sup>5</sup> | Ratio: 1.64<br>Failed <sup>5</sup>  |
| Hex(CEDBFF) | Ratio: 2.42<br>Failed <sup>5</sup>  | Ratio: 1.38<br>Failed <sup>5</sup>  | Ratio: 1.29<br>Failed <sup>5</sup> |                                    | Ratio: 1.27<br>Failed <sup>5</sup>  |
| Hex(EBF7FF) | Ratio: 3.06<br>AA 18pt <sup>2</sup> | Ratio: 1.09<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.

This PDF was generated on [convertingcolors.com](https://convertingcolors.com).