

# Converting Colors - WCAG Matrix

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

Hex(8D93FF) Hex(A7ABFF) Hex(C0C3FF) Hex(DADBFF) Hex(F3F4FF) Hex(FFFFFF)

|             | Hex(8D93FF)                        | Hex(A7ABFF)                        | Hex(C0C3FF)                        | Hex(DADBFF)                        | Hex(F3F4FF)                        | Hex(FFFFFF)                        |
|-------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|
| Hex(8D93FF) |                                    | 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: 2.48<br>Failed <sup>5</sup> | Ratio: 2.71<br>Failed <sup>5</sup> |
| Hex(A7ABFF) | Ratio: 1.28<br>Failed <sup>5</sup> |                                    | Ratio: 1.26<br>Failed <sup>5</sup> | Ratio: 1.57<br>Failed <sup>5</sup> | Ratio: 1.94<br>Failed <sup>5</sup> | Ratio: 2.12<br>Failed <sup>5</sup> |
| Hex(C0C3FF) | 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: 1.54<br>Failed <sup>5</sup> | Ratio: 1.68<br>Failed <sup>5</sup> |
| Hex(DADBFF) | Ratio: 2.01<br>Failed <sup>5</sup> | Ratio: 1.57<br>Failed <sup>5</sup> | Ratio: 1.25<br>Failed <sup>5</sup> |                                    | Ratio: 1.23<br>Failed <sup>5</sup> | Ratio: 1.35<br>Failed <sup>5</sup> |
| Hex(F3F4FF) | Ratio: 2.48<br>Failed <sup>5</sup> | Ratio: 1.94<br>Failed <sup>5</sup> | Ratio: 1.54<br>Failed <sup>5</sup> | Ratio: 1.23<br>Failed <sup>5</sup> |                                    | Ratio: 1.09<br>Failed <sup>5</sup> |
| Hex(FFFFFF) | Ratio: 2.71<br>Failed <sup>5</sup> | Ratio: 2.12<br>Failed <sup>5</sup> | Ratio: 1.68<br>Failed <sup>5</sup> | Ratio: 1.35<br>Failed <sup>5</sup> | Ratio: 1.09<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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