

# Converting Colors - WCAG Matrix

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

**Hex(8B87A5) Hex(A5A1C0) Hex(C1BCDC) Hex(DDD8F9) Hex(F9F4FF) Hex(FFFFFF)**

|             | Hex(8B87A5)                         | Hex(A5A1C0)                        | Hex(C1BCDC)                        | Hex(DDD8F9)                        | Hex(F9F4FF)                         | Hex(FFFFFF)                         |
|-------------|-------------------------------------|------------------------------------|------------------------------------|------------------------------------|-------------------------------------|-------------------------------------|
| Hex(8B87A5) |                                     | Ratio: 1.39<br>Failed <sup>5</sup> | Ratio: 1.88<br>Failed <sup>5</sup> | Ratio: 2.50<br>Failed <sup>5</sup> | Ratio: 3.18<br>AA 18pt <sup>2</sup> | Ratio: 3.44<br>AA 18pt <sup>2</sup> |
| Hex(A5A1C0) | Ratio: 1.39<br>Failed <sup>5</sup>  |                                    | Ratio: 1.36<br>Failed <sup>5</sup> | Ratio: 1.80<br>Failed <sup>5</sup> | Ratio: 2.29<br>Failed <sup>5</sup>  | Ratio: 2.48<br>Failed <sup>5</sup>  |
| Hex(C1BCDC) | Ratio: 1.88<br>Failed <sup>5</sup>  | Ratio: 1.36<br>Failed <sup>5</sup> |                                    | Ratio: 1.33<br>Failed <sup>5</sup> | Ratio: 1.69<br>Failed <sup>5</sup>  | Ratio: 1.83<br>Failed <sup>5</sup>  |
| Hex(DDD8F9) | Ratio: 2.50<br>Failed <sup>5</sup>  | Ratio: 1.80<br>Failed <sup>5</sup> | Ratio: 1.33<br>Failed <sup>5</sup> |                                    | Ratio: 1.27<br>Failed <sup>5</sup>  | Ratio: 1.38<br>Failed <sup>5</sup>  |
| Hex(F9F4FF) | Ratio: 3.18<br>AA 18pt <sup>2</sup> | Ratio: 2.29<br>Failed <sup>5</sup> | Ratio: 1.69<br>Failed <sup>5</sup> | Ratio: 1.27<br>Failed <sup>5</sup> |                                     | Ratio: 1.08<br>Failed <sup>5</sup>  |
| Hex(FFFFFF) | Ratio: 3.44<br>AA 18pt <sup>2</sup> | Ratio: 2.48<br>Failed <sup>5</sup> | Ratio: 1.83<br>Failed <sup>5</sup> | Ratio: 1.38<br>Failed <sup>5</sup> | Ratio: 1.08<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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