

# Converting Colors - WCAG Matrix

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

Hex(C76CC7) Hex(FFFFFF) Hex(FFA2FF) Hex(FFBEFF) Hex(FFDAFF) Hex(FFF8FF)

|             | Hex(C76CC7)                         | Hex(FFFFFF)                         | Hex(FFA2FF)                        | Hex(FFBEFF)                        | Hex(FFDAFF)                        | Hex(FFF8FF)                         |
|-------------|-------------------------------------|-------------------------------------|------------------------------------|------------------------------------|------------------------------------|-------------------------------------|
| Hex(C76CC7) |                                     | Ratio: 3.28<br>AA 18pt <sup>2</sup> | Ratio: 1.85<br>Failed <sup>5</sup> | Ratio: 2.20<br>Failed <sup>5</sup> | Ratio: 2.61<br>Failed <sup>5</sup> | Ratio: 3.15<br>AA 18pt <sup>2</sup> |
| Hex(FFFFFF) | Ratio: 3.28<br>AA 18pt <sup>2</sup> |                                     | Ratio: 1.77<br>Failed <sup>5</sup> | Ratio: 1.49<br>Failed <sup>5</sup> | Ratio: 1.26<br>Failed <sup>5</sup> | Ratio: 1.04<br>Failed <sup>5</sup>  |
| Hex(FFA2FF) | Ratio: 1.85<br>Failed <sup>5</sup>  | Ratio: 1.77<br>Failed <sup>5</sup>  |                                    | Ratio: 1.19<br>Failed <sup>5</sup> | Ratio: 1.41<br>Failed <sup>5</sup> | Ratio: 1.70<br>Failed <sup>5</sup>  |
| Hex(FFBEFF) | Ratio: 2.20<br>Failed <sup>5</sup>  | Ratio: 1.49<br>Failed <sup>5</sup>  | Ratio: 1.19<br>Failed <sup>5</sup> |                                    | Ratio: 1.19<br>Failed <sup>5</sup> | Ratio: 1.43<br>Failed <sup>5</sup>  |
| Hex(FFDAFF) | Ratio: 2.61<br>Failed <sup>5</sup>  | Ratio: 1.26<br>Failed <sup>5</sup>  | Ratio: 1.41<br>Failed <sup>5</sup> | Ratio: 1.19<br>Failed <sup>5</sup> |                                    | Ratio: 1.20<br>Failed <sup>5</sup>  |
| Hex(FFF8FF) | Ratio: 3.15<br>AA 18pt <sup>2</sup> | Ratio: 1.04<br>Failed <sup>5</sup>  | Ratio: 1.70<br>Failed <sup>5</sup> | Ratio: 1.43<br>Failed <sup>5</sup> | Ratio: 1.20<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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