

# Converting Colors - WCAG Matrix

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

|             | Hex(8D42BE)                                             | Hex(FFFFFF)                                             | Hex(C677F7)                        | Hex(E392FF)                        | Hex(FFADFF)                         | Hex(FFC9FF)                         | Hex(FFE6FF)                                             |
|-------------|---------------------------------------------------------|---------------------------------------------------------|------------------------------------|------------------------------------|-------------------------------------|-------------------------------------|---------------------------------------------------------|
| Hex(8D42BE) |                                                         | Ratio: 5.74<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 2.02<br>Failed <sup>5</sup> | Ratio: 2.69<br>Failed <sup>5</sup> | Ratio: 3.47<br>AA 18pt <sup>2</sup> | Ratio: 4.12<br>AA 18pt <sup>2</sup> | Ratio: 4.93<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(FFFFFF) | Ratio: 5.74<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |                                                         | Ratio: 2.84<br>Failed <sup>5</sup> | Ratio: 2.14<br>Failed <sup>5</sup> | Ratio: 1.66<br>Failed <sup>5</sup>  | Ratio: 1.40<br>Failed <sup>5</sup>  | Ratio: 1.17<br>Failed <sup>5</sup>                      |
| Hex(C677F7) | Ratio: 2.02<br>Failed <sup>5</sup>                      | Ratio: 2.84<br>Failed <sup>5</sup>                      |                                    | Ratio: 1.33<br>Failed <sup>5</sup> | Ratio: 1.72<br>Failed <sup>5</sup>  | Ratio: 2.04<br>Failed <sup>5</sup>  | Ratio: 2.44<br>Failed <sup>5</sup>                      |
| Hex(E392FF) | Ratio: 2.69<br>Failed <sup>5</sup>                      | Ratio: 2.14<br>Failed <sup>5</sup>                      | Ratio: 1.33<br>Failed <sup>5</sup> |                                    | Ratio: 1.29<br>Failed <sup>5</sup>  | Ratio: 1.53<br>Failed <sup>5</sup>  | Ratio: 1.83<br>Failed <sup>5</sup>                      |
| Hex(FFADFF) | Ratio: 3.47<br>AA 18pt <sup>2</sup>                     | Ratio: 1.66<br>Failed <sup>5</sup>                      | Ratio: 1.72<br>Failed <sup>5</sup> | Ratio: 1.29<br>Failed <sup>5</sup> |                                     | Ratio: 1.19<br>Failed <sup>5</sup>  | Ratio: 1.42<br>Failed <sup>5</sup>                      |
| Hex(FFC9FF) | Ratio: 4.12<br>AA 18pt <sup>2</sup>                     | Ratio: 1.40<br>Failed <sup>5</sup>                      | Ratio: 2.04<br>Failed <sup>5</sup> | Ratio: 1.53<br>Failed <sup>5</sup> | Ratio: 1.19<br>Failed <sup>5</sup>  |                                     | Ratio: 1.20<br>Failed <sup>5</sup>                      |
| Hex(FFE6FF) | Ratio: 4.93<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 1.17<br>Failed <sup>5</sup>                      | Ratio: 2.44<br>Failed <sup>5</sup> | Ratio: 1.83<br>Failed <sup>5</sup> | Ratio: 1.42<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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