

# Converting Colors - WCAG Matrix

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

Hex(D397D3) Hex(FFA8FF) Hex(D397B5) Hex(695E69) Hex(A800A8) Hex(290029)

|             | Hex(D397D3)                        | Hex(FFA8FF)                         | Hex(D397B5)                        | Hex(695E69)                         | Hex(A800A8)                         | Hex(290029)                         |
|-------------|------------------------------------|-------------------------------------|------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| Hex(D397D3) |                                    | Ratio: 1.35<br>Failed <sup>5</sup>  | Ratio: 1.03<br>Failed <sup>5</sup> | Ratio: 2.68<br>Failed <sup>5</sup>  | Ratio: 2.83<br>Failed <sup>5</sup>  | Ratio: 8.11<br>Passed <sup>6</sup>  |
| Hex(FFA8FF) | Ratio: 1.35<br>Failed <sup>5</sup> |                                     | Ratio: 1.39<br>Failed <sup>5</sup> | Ratio: 3.61<br>AA 18pt <sup>2</sup> | Ratio: 3.81<br>AA 18pt <sup>2</sup> | Ratio: 10.92<br>Passed <sup>6</sup> |
| Hex(D397B5) | Ratio: 1.03<br>Failed <sup>5</sup> | Ratio: 1.39<br>Failed <sup>5</sup>  |                                    | Ratio: 2.60<br>Failed <sup>5</sup>  | Ratio: 2.74<br>Failed <sup>5</sup>  | Ratio: 7.87<br>Passed <sup>6</sup>  |
| Hex(695E69) | Ratio: 2.68<br>Failed <sup>5</sup> | Ratio: 3.61<br>AA 18pt <sup>2</sup> | Ratio: 2.60<br>Failed <sup>5</sup> |                                     | Ratio: 1.05<br>Failed <sup>5</sup>  | Ratio: 3.02<br>AA 18pt <sup>2</sup> |
| Hex(A800A8) | Ratio: 2.83<br>Failed <sup>5</sup> | Ratio: 3.81<br>AA 18pt <sup>2</sup> | Ratio: 2.74<br>Failed <sup>5</sup> | Ratio: 1.05<br>Failed <sup>5</sup>  |                                     | Ratio: 2.87<br>Failed <sup>5</sup>  |
| Hex(290029) | Ratio: 8.11<br>Passed <sup>6</sup> | Ratio: 10.92<br>Passed <sup>6</sup> | Ratio: 7.87<br>Passed <sup>6</sup> | Ratio: 3.02<br>AA 18pt <sup>2</sup> | Ratio: 2.87<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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