

# Converting Colors - WCAG Matrix

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

Hex(D1C7CF) Hex(FFF0FA) Hex(D1C7C9) Hex(696166) Hex(A8007D) Hex(29001F)

|             | Hex(D1C7CF)                         | Hex(FFF0FA)                                             | Hex(D1C7C9)                         | Hex(696166)                                             | Hex(A8007D)                                             | Hex(29001F)                         |
|-------------|-------------------------------------|---------------------------------------------------------|-------------------------------------|---------------------------------------------------------|---------------------------------------------------------|-------------------------------------|
| Hex(D1C7CF) |                                     | Ratio: 1.49<br>Failed <sup>5</sup>                      | Ratio: 1.00<br>Failed <sup>5</sup>  | Ratio: 3.65<br>AA 18pt <sup>2</sup>                     | Ratio: 4.32<br>AA 18pt <sup>2</sup>                     | Ratio: 11.47<br>Passed <sup>6</sup> |
| Hex(FFF0FA) | Ratio: 1.49<br>Failed <sup>5</sup>  |                                                         | Ratio: 1.50<br>Failed <sup>5</sup>  | Ratio: 5.45<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 6.45<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 17.14<br>Passed <sup>6</sup> |
| Hex(D1C7C9) | Ratio: 1.00<br>Failed <sup>5</sup>  | Ratio: 1.50<br>Failed <sup>5</sup>                      |                                     | Ratio: 3.63<br>AA 18pt <sup>2</sup>                     | Ratio: 4.30<br>AA 18pt <sup>2</sup>                     | Ratio: 11.42<br>Passed <sup>6</sup> |
| Hex(696166) | Ratio: 3.65<br>AA 18pt <sup>2</sup> | Ratio: 5.45<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 3.63<br>AA 18pt <sup>2</sup> |                                                         | Ratio: 1.18<br>Failed <sup>5</sup>                      | Ratio: 3.14<br>AA 18pt <sup>2</sup> |
| Hex(A8007D) | Ratio: 4.32<br>AA 18pt <sup>2</sup> | Ratio: 6.45<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 4.30<br>AA 18pt <sup>2</sup> | Ratio: 1.18<br>Failed <sup>5</sup>                      |                                                         | Ratio: 2.66<br>Failed <sup>5</sup>  |
| Hex(29001F) | Ratio: 11.47<br>Passed <sup>6</sup> | Ratio: 17.14<br>Passed <sup>6</sup>                     | Ratio: 11.42<br>Passed <sup>6</sup> | Ratio: 3.14<br>AA 18pt <sup>2</sup>                     | Ratio: 2.66<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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