

# Converting Colors - WCAG Matrix

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

Hex(8F86F8) Hex(7E73FF) Hex(C786F8) Hex(71707D) Hex(0F00BD) Hex(05003D)

|             | Hex(8F86F8)                                             | Hex(7E73FF)                                             | Hex(C786F8)                                             | Hex(71707D)                         | Hex(0F00BD)                                             | Hex(05003D)                                             |
|-------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|-------------------------------------|---------------------------------------------------------|---------------------------------------------------------|
| Hex(8F86F8) |                                                         | Ratio: 1.20<br>Failed <sup>5</sup>                      | Ratio: 1.18<br>Failed <sup>5</sup>                      | Ratio: 1.61<br>Failed <sup>5</sup>  | Ratio: 3.95<br>AA 18pt <sup>2</sup>                     | Ratio: 6.46<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(7E73FF) | Ratio: 1.20<br>Failed <sup>5</sup>                      |                                                         | Ratio: 1.42<br>Failed <sup>5</sup>                      | Ratio: 1.34<br>Failed <sup>5</sup>  | Ratio: 3.30<br>AA 18pt <sup>2</sup>                     | Ratio: 5.39<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(C786F8) | Ratio: 1.18<br>Failed <sup>5</sup>                      | Ratio: 1.42<br>Failed <sup>5</sup>                      |                                                         | Ratio: 1.90<br>Failed <sup>5</sup>  | Ratio: 4.67<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 7.63<br>Passed <sup>6</sup>                      |
| Hex(71707D) | Ratio: 1.61<br>Failed <sup>5</sup>                      | Ratio: 1.34<br>Failed <sup>5</sup>                      | Ratio: 1.90<br>Failed <sup>5</sup>                      |                                     | Ratio: 2.46<br>Failed <sup>5</sup>                      | Ratio: 4.02<br>AA 18pt <sup>2</sup>                     |
| Hex(0F00BD) | Ratio: 3.95<br>AA 18pt <sup>2</sup>                     | Ratio: 3.30<br>AA 18pt <sup>2</sup>                     | Ratio: 4.67<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 2.46<br>Failed <sup>5</sup>  |                                                         | Ratio: 1.63<br>Failed <sup>5</sup>                      |
| Hex(05003D) | Ratio: 6.46<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 5.39<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 7.63<br>Passed <sup>6</sup>                      | Ratio: 4.02<br>AA 18pt <sup>2</sup> | Ratio: 1.63<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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