

# Converting Colors - WCAG Matrix

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

**Hex(98B1FD) Hex(85A3FF) Hex(B198FD) Hex(737680) Hex(002FBF) Hex(001040)**

|             | Hex(98B1FD)                                             | Hex(85A3FF)                         | Hex(B198FD)                         | Hex(737680)                         | Hex(002FBF)                                             | Hex(001040)                         |
|-------------|---------------------------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|---------------------------------------------------------|-------------------------------------|
| Hex(98B1FD) |                                                         | Ratio: 1.16<br>Failed <sup>5</sup>  | Ratio: 1.14<br>Failed <sup>5</sup>  | Ratio: 2.17<br>Failed <sup>5</sup>  | Ratio: 4.65<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 8.75<br>Passed <sup>6</sup>  |
| Hex(85A3FF) | Ratio: 1.16<br>Failed <sup>5</sup>                      |                                     | Ratio: 1.01<br>Failed <sup>5</sup>  | Ratio: 1.87<br>Failed <sup>5</sup>  | Ratio: 4.02<br>AA 18pt <sup>2</sup>                     | Ratio: 7.56<br>Passed <sup>6</sup>  |
| Hex(B198FD) | Ratio: 1.14<br>Failed <sup>5</sup>                      | Ratio: 1.01<br>Failed <sup>5</sup>  |                                     | Ratio: 1.90<br>Failed <sup>5</sup>  | Ratio: 4.07<br>AA 18pt <sup>2</sup>                     | Ratio: 7.65<br>Passed <sup>6</sup>  |
| Hex(737680) | Ratio: 2.17<br>Failed <sup>5</sup>                      | Ratio: 1.87<br>Failed <sup>5</sup>  | Ratio: 1.90<br>Failed <sup>5</sup>  |                                     | Ratio: 2.15<br>Failed <sup>5</sup>                      | Ratio: 4.03<br>AA 18pt <sup>2</sup> |
| Hex(002FBF) | Ratio: 4.65<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 4.02<br>AA 18pt <sup>2</sup> | Ratio: 4.07<br>AA 18pt <sup>2</sup> | Ratio: 2.15<br>Failed <sup>5</sup>  |                                                         | Ratio: 1.88<br>Failed <sup>5</sup>  |
| Hex(001040) | Ratio: 8.75<br>Passed <sup>6</sup>                      | Ratio: 7.56<br>Passed <sup>6</sup>  | Ratio: 7.65<br>Passed <sup>6</sup>  | Ratio: 4.03<br>AA 18pt <sup>2</sup> | Ratio: 1.88<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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