

# Converting Colors - WCAG Matrix

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

**Hex(A67EFF) Hex(9463FF) Hex(E57EFF) Hex(777380) Hex(3B00BF) Hex(140040)**

|             | Hex(A67EFF)                                             | Hex(9463FF)                                             | Hex(E57EFF)                                             | Hex(777380)                         | Hex(3B00BF)                                             | Hex(140040)                                             |
|-------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|-------------------------------------|---------------------------------------------------------|---------------------------------------------------------|
| Hex(A67EFF) |                                                         | Ratio: 1.28<br>Failed <sup>5</sup>                      | Ratio: 1.24<br>Failed <sup>5</sup>                      | Ratio: 1.55<br>Failed <sup>5</sup>  | Ratio: 3.64<br>AA 18pt <sup>2</sup>                     | Ratio: 6.39<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(9463FF) | Ratio: 1.28<br>Failed <sup>5</sup>                      |                                                         | Ratio: 1.60<br>Failed <sup>5</sup>                      | Ratio: 1.21<br>Failed <sup>5</sup>  | Ratio: 2.83<br>Failed <sup>5</sup>                      | Ratio: 4.97<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(E57EFF) | Ratio: 1.24<br>Failed <sup>5</sup>                      | Ratio: 1.60<br>Failed <sup>5</sup>                      |                                                         | Ratio: 1.93<br>Failed <sup>5</sup>  | Ratio: 4.52<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 7.94<br>Passed <sup>6</sup>                      |
| Hex(777380) | Ratio: 1.55<br>Failed <sup>5</sup>                      | Ratio: 1.21<br>Failed <sup>5</sup>                      | Ratio: 1.93<br>Failed <sup>5</sup>                      |                                     | Ratio: 2.35<br>Failed <sup>5</sup>                      | Ratio: 4.12<br>AA 18pt <sup>2</sup>                     |
| Hex(3B00BF) | Ratio: 3.64<br>AA 18pt <sup>2</sup>                     | Ratio: 2.83<br>Failed <sup>5</sup>                      | Ratio: 4.52<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 2.35<br>Failed <sup>5</sup>  |                                                         | Ratio: 1.76<br>Failed <sup>5</sup>                      |
| Hex(140040) | Ratio: 6.39<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 4.97<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 7.94<br>Passed <sup>6</sup>                      | Ratio: 4.12<br>AA 18pt <sup>2</sup> | Ratio: 1.76<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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