

# Converting Colors - WCAG Matrix

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

**Hex(8FE9FF) Hex(78E4FF) Hex(8FB2FF) Hex(737D80) Hex(009ABF) Hex(003340)**

|             | Hex(8FE9FF)                         | Hex(78E4FF)                        | Hex(8FB2FF)                                             | Hex(737D80)                         | Hex(009ABF)                         | Hex(003340)                                             |
|-------------|-------------------------------------|------------------------------------|---------------------------------------------------------|-------------------------------------|-------------------------------------|---------------------------------------------------------|
| Hex(8FE9FF) |                                     | Ratio: 1.06<br>Failed <sup>5</sup> | Ratio: 1.53<br>Failed <sup>5</sup>                      | Ratio: 3.07<br>AA 18pt <sup>2</sup> | Ratio: 2.40<br>Failed <sup>5</sup>  | Ratio: 9.87<br>Passed <sup>6</sup>                      |
| Hex(78E4FF) | Ratio: 1.06<br>Failed <sup>5</sup>  |                                    | Ratio: 1.44<br>Failed <sup>5</sup>                      | Ratio: 2.88<br>Failed <sup>5</sup>  | Ratio: 2.25<br>Failed <sup>5</sup>  | Ratio: 9.27<br>Passed <sup>6</sup>                      |
| Hex(8FB2FF) | Ratio: 1.53<br>Failed <sup>5</sup>  | Ratio: 1.44<br>Failed <sup>5</sup> |                                                         | Ratio: 2.01<br>Failed <sup>5</sup>  | Ratio: 1.57<br>Failed <sup>5</sup>  | Ratio: 6.45<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(737D80) | Ratio: 3.07<br>AA 18pt <sup>2</sup> | Ratio: 2.88<br>Failed <sup>5</sup> | Ratio: 2.01<br>Failed <sup>5</sup>                      |                                     | Ratio: 1.28<br>Failed <sup>5</sup>  | Ratio: 3.21<br>AA 18pt <sup>2</sup>                     |
| Hex(009ABF) | Ratio: 2.40<br>Failed <sup>5</sup>  | Ratio: 2.25<br>Failed <sup>5</sup> | Ratio: 1.57<br>Failed <sup>5</sup>                      | Ratio: 1.28<br>Failed <sup>5</sup>  |                                     | Ratio: 4.12<br>AA 18pt <sup>2</sup>                     |
| Hex(003340) | Ratio: 9.87<br>Passed <sup>6</sup>  | Ratio: 9.27<br>Passed <sup>6</sup> | Ratio: 6.45<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 3.21<br>AA 18pt <sup>2</sup> | Ratio: 4.12<br>AA 18pt <sup>2</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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