

# Converting Colors - WCAG Matrix

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

Hex(53E9FC) Hex(33E8FF) Hex(5397FC) Hex(707C7D) Hex(00A7BD) Hex(00363D)

|             | Hex(53E9FC)                        | Hex(33E8FF)                        | Hex(5397FC)                                             | Hex(707C7D)                         | Hex(00A7BD)                                             | Hex(00363D)                                             |
|-------------|------------------------------------|------------------------------------|---------------------------------------------------------|-------------------------------------|---------------------------------------------------------|---------------------------------------------------------|
| Hex(53E9FC) |                                    | Ratio: 1.02<br>Failed <sup>5</sup> | Ratio: 2.00<br>Failed <sup>5</sup>                      | Ratio: 2.96<br>Failed <sup>5</sup>  | Ratio: 1.99<br>Failed <sup>5</sup>                      | Ratio: 9.05<br>Passed <sup>6</sup>                      |
| Hex(33E8FF) | Ratio: 1.02<br>Failed <sup>5</sup> |                                    | Ratio: 1.96<br>Failed <sup>5</sup>                      | Ratio: 2.90<br>Failed <sup>5</sup>  | Ratio: 1.95<br>Failed <sup>5</sup>                      | Ratio: 8.86<br>Passed <sup>6</sup>                      |
| Hex(5397FC) | Ratio: 2.00<br>Failed <sup>5</sup> | Ratio: 1.96<br>Failed <sup>5</sup> |                                                         | Ratio: 1.48<br>Failed <sup>5</sup>  | Ratio: 1.01<br>Failed <sup>5</sup>                      | Ratio: 4.51<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(707C7D) | Ratio: 2.96<br>Failed <sup>5</sup> | Ratio: 2.90<br>Failed <sup>5</sup> | Ratio: 1.48<br>Failed <sup>5</sup>                      |                                     | Ratio: 1.49<br>Failed <sup>5</sup>                      | Ratio: 3.05<br>AA 18pt <sup>2</sup>                     |
| Hex(00A7BD) | Ratio: 1.99<br>Failed <sup>5</sup> | Ratio: 1.95<br>Failed <sup>5</sup> | Ratio: 1.01<br>Failed <sup>5</sup>                      | Ratio: 1.49<br>Failed <sup>5</sup>  |                                                         | Ratio: 4.55<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(00363D) | Ratio: 9.05<br>Passed <sup>6</sup> | Ratio: 8.86<br>Passed <sup>6</sup> | Ratio: 4.51<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 3.05<br>AA 18pt <sup>2</sup> | Ratio: 4.55<br>AA <sup>1</sup><br>AAA 18pt <sup>4</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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