

# Converting Colors - WCAG Matrix

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

Hex(1C61BF) Hex(0068F7) Hex(271CBF) Hex(55595E) Hex(00439E) Hex(000D1F)

|             | Hex(1C61BF)                         | Hex(0068F7)                         | Hex(271CBF)                        | Hex(55595E)                        | Hex(00439E)                        | Hex(000D1F)                         |
|-------------|-------------------------------------|-------------------------------------|------------------------------------|------------------------------------|------------------------------------|-------------------------------------|
| Hex(1C61BF) |                                     | Ratio: 1.23<br>Failed <sup>5</sup>  | Ratio: 1.75<br>Failed <sup>5</sup> | Ratio: 1.18<br>Failed <sup>5</sup> | Ratio: 1.53<br>Failed <sup>5</sup> | Ratio: 3.26<br>AA 18pt <sup>2</sup> |
| Hex(0068F7) | Ratio: 1.23<br>Failed <sup>5</sup>  |                                     | Ratio: 2.16<br>Failed <sup>5</sup> | Ratio: 1.45<br>Failed <sup>5</sup> | Ratio: 1.88<br>Failed <sup>5</sup> | Ratio: 4.01<br>AA 18pt <sup>2</sup> |
| Hex(271CBF) | Ratio: 1.75<br>Failed <sup>5</sup>  | Ratio: 2.16<br>Failed <sup>5</sup>  |                                    | Ratio: 1.48<br>Failed <sup>5</sup> | Ratio: 1.15<br>Failed <sup>5</sup> | Ratio: 1.86<br>Failed <sup>5</sup>  |
| Hex(55595E) | Ratio: 1.18<br>Failed <sup>5</sup>  | Ratio: 1.45<br>Failed <sup>5</sup>  | Ratio: 1.48<br>Failed <sup>5</sup> |                                    | Ratio: 1.30<br>Failed <sup>5</sup> | Ratio: 2.76<br>Failed <sup>5</sup>  |
| Hex(00439E) | Ratio: 1.53<br>Failed <sup>5</sup>  | Ratio: 1.88<br>Failed <sup>5</sup>  | Ratio: 1.15<br>Failed <sup>5</sup> | Ratio: 1.30<br>Failed <sup>5</sup> |                                    | Ratio: 2.13<br>Failed <sup>5</sup>  |
| Hex(000D1F) | Ratio: 3.26<br>AA 18pt <sup>2</sup> | Ratio: 4.01<br>AA 18pt <sup>2</sup> | Ratio: 1.86<br>Failed <sup>5</sup> | Ratio: 2.76<br>Failed <sup>5</sup> | Ratio: 2.13<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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