

# Converting Colors - WCAG Matrix

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

Hex(4D8ACF) Hex(3D98FF) Hex(4F4DCF) Hex(5E6369) Hex(004FA8) Hex(001329)

|             | Hex(4D8ACF)                                             | Hex(3D98FF)                                             | Hex(4F4DCF)                        | Hex(5E6369)                         | Hex(004FA8)                        | Hex(001329)                                             |
|-------------|---------------------------------------------------------|---------------------------------------------------------|------------------------------------|-------------------------------------|------------------------------------|---------------------------------------------------------|
| Hex(4D8ACF) |                                                         | Ratio: 1.22<br>Failed <sup>5</sup>                      | Ratio: 1.78<br>Failed <sup>5</sup> | Ratio: 1.69<br>Failed <sup>5</sup>  | Ratio: 2.18<br>Failed <sup>5</sup> | Ratio: 5.20<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(3D98FF) | Ratio: 1.22<br>Failed <sup>5</sup>                      |                                                         | Ratio: 2.17<br>Failed <sup>5</sup> | Ratio: 2.06<br>Failed <sup>5</sup>  | Ratio: 2.66<br>Failed <sup>5</sup> | Ratio: 6.34<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(4F4DCF) | Ratio: 1.78<br>Failed <sup>5</sup>                      | Ratio: 2.17<br>Failed <sup>5</sup>                      |                                    | Ratio: 1.05<br>Failed <sup>5</sup>  | Ratio: 1.23<br>Failed <sup>5</sup> | Ratio: 2.93<br>Failed <sup>5</sup>                      |
| Hex(5E6369) | Ratio: 1.69<br>Failed <sup>5</sup>                      | Ratio: 2.06<br>Failed <sup>5</sup>                      | Ratio: 1.05<br>Failed <sup>5</sup> |                                     | Ratio: 1.29<br>Failed <sup>5</sup> | Ratio: 3.08<br>AA 18pt <sup>2</sup>                     |
| Hex(004FA8) | Ratio: 2.18<br>Failed <sup>5</sup>                      | Ratio: 2.66<br>Failed <sup>5</sup>                      | Ratio: 1.23<br>Failed <sup>5</sup> | Ratio: 1.29<br>Failed <sup>5</sup>  |                                    | Ratio: 2.39<br>Failed <sup>5</sup>                      |
| Hex(001329) | Ratio: 5.20<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 6.34<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 2.93<br>Failed <sup>5</sup> | Ratio: 3.08<br>AA 18pt <sup>2</sup> | Ratio: 2.39<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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