

# Converting Colors - WCAG Matrix

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

**Hex(0078D4) Hex(008FFF) Hex(000DD4) Hex(61666B) Hex(0061AB) Hex(001A2B)**

|             | Hex(0078D4)                         | Hex(008FFF)                                             | Hex(000DD4)                         | Hex(61666B)                         | Hex(0061AB)                        | Hex(001A2B)                                             |
|-------------|-------------------------------------|---------------------------------------------------------|-------------------------------------|-------------------------------------|------------------------------------|---------------------------------------------------------|
| Hex(0078D4) |                                     | Ratio: 1.37<br>Failed <sup>5</sup>                      | Ratio: 2.31<br>Failed <sup>5</sup>  | Ratio: 1.28<br>Failed <sup>5</sup>  | Ratio: 1.41<br>Failed <sup>5</sup> | Ratio: 3.92<br>AA 18pt <sup>2</sup>                     |
| Hex(008FFF) | Ratio: 1.37<br>Failed <sup>5</sup>  |                                                         | Ratio: 3.17<br>AA 18pt <sup>2</sup> | Ratio: 1.76<br>Failed <sup>5</sup>  | Ratio: 1.93<br>Failed <sup>5</sup> | Ratio: 5.39<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(000DD4) | Ratio: 2.31<br>Failed <sup>5</sup>  | Ratio: 3.17<br>AA 18pt <sup>2</sup>                     |                                     | Ratio: 1.80<br>Failed <sup>5</sup>  | Ratio: 1.64<br>Failed <sup>5</sup> | Ratio: 1.70<br>Failed <sup>5</sup>                      |
| Hex(61666B) | Ratio: 1.28<br>Failed <sup>5</sup>  | Ratio: 1.76<br>Failed <sup>5</sup>                      | Ratio: 1.80<br>Failed <sup>5</sup>  |                                     | Ratio: 1.10<br>Failed <sup>5</sup> | Ratio: 3.06<br>AA 18pt <sup>2</sup>                     |
| Hex(0061AB) | Ratio: 1.41<br>Failed <sup>5</sup>  | Ratio: 1.93<br>Failed <sup>5</sup>                      | Ratio: 1.64<br>Failed <sup>5</sup>  | Ratio: 1.10<br>Failed <sup>5</sup>  |                                    | Ratio: 2.79<br>Failed <sup>5</sup>                      |
| Hex(001A2B) | Ratio: 3.92<br>AA 18pt <sup>2</sup> | Ratio: 5.39<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 1.70<br>Failed <sup>5</sup>  | Ratio: 3.06<br>AA 18pt <sup>2</sup> | Ratio: 2.79<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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