

# Converting Colors - WCAG Matrix

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

Hex(046EB5) Hex(A7CFEB) Hex(04B54B) Hex(4C6575) Hex(F5F5F5) Hex(757575)

|             | Hex(046EB5)                                             | Hex(A7CFEB)                         | Hex(04B54B)                        | Hex(4C6575)                                             | Hex(F5F5F5)                                             | Hex(757575)                         |
|-------------|---------------------------------------------------------|-------------------------------------|------------------------------------|---------------------------------------------------------|---------------------------------------------------------|-------------------------------------|
| Hex(046EB5) |                                                         | Ratio: 3.27<br>AA 18pt <sup>2</sup> | Ratio: 1.98<br>Failed <sup>5</sup> | Ratio: 1.14<br>Failed <sup>5</sup>                      | Ratio: 4.94<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 1.17<br>Failed <sup>5</sup>  |
| Hex(A7CFEB) | Ratio: 3.27<br>AA 18pt <sup>2</sup>                     |                                     | Ratio: 1.65<br>Failed <sup>5</sup> | Ratio: 3.73<br>AA 18pt <sup>2</sup>                     | Ratio: 1.51<br>Failed <sup>5</sup>                      | Ratio: 2.80<br>Failed <sup>5</sup>  |
| Hex(04B54B) | Ratio: 1.98<br>Failed <sup>5</sup>                      | Ratio: 1.65<br>Failed <sup>5</sup>  |                                    | Ratio: 2.25<br>Failed <sup>5</sup>                      | Ratio: 2.50<br>Failed <sup>5</sup>                      | Ratio: 1.69<br>Failed <sup>5</sup>  |
| Hex(4C6575) | Ratio: 1.14<br>Failed <sup>5</sup>                      | Ratio: 3.73<br>AA 18pt <sup>2</sup> | Ratio: 2.25<br>Failed <sup>5</sup> |                                                         | Ratio: 5.62<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 1.33<br>Failed <sup>5</sup>  |
| Hex(F5F5F5) | Ratio: 4.94<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 1.51<br>Failed <sup>5</sup>  | Ratio: 2.50<br>Failed <sup>5</sup> | Ratio: 5.62<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |                                                         | Ratio: 4.23<br>AA 18pt <sup>2</sup> |
| Hex(757575) | Ratio: 1.17<br>Failed <sup>5</sup>                      | Ratio: 2.80<br>Failed <sup>5</sup>  | Ratio: 1.69<br>Failed <sup>5</sup> | Ratio: 1.33<br>Failed <sup>5</sup>                      | Ratio: 4.23<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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