

# Converting Colors - WCAG Matrix

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

|             | Hex(7F6CB0)                         | Hex(8C7EB0)                         | Hex(988FB0)                        | Hex(A5A1B0)                        | Hex(B2B2B0)                        | Hex(BEC4B0)                        | Hex(CBD6B0)                        | Hex(D8E7B0)                         | Hex(E4F9B0)                         | Hex(F1FFB0)                         |
|-------------|-------------------------------------|-------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| Hex(7F6CB0) |                                     | Ratio: 1.23<br>Failed <sup>5</sup>  | Ratio: 1.47<br>Failed <sup>5</sup> | Ratio: 1.78<br>Failed <sup>5</sup> | Ratio: 2.12<br>Failed <sup>5</sup> | Ratio: 2.51<br>Failed <sup>5</sup> | Ratio: 2.95<br>Failed <sup>5</sup> | Ratio: 3.42<br>AA 18pt <sup>2</sup> | Ratio: 3.95<br>AA 18pt <sup>2</sup> | Ratio: 4.21<br>AA 18pt <sup>2</sup> |
| Hex(8C7EB0) | Ratio: 1.23<br>Failed <sup>5</sup>  |                                     | Ratio: 1.20<br>Failed <sup>5</sup> | Ratio: 1.45<br>Failed <sup>5</sup> | Ratio: 1.73<br>Failed <sup>5</sup> | Ratio: 2.05<br>Failed <sup>5</sup> | Ratio: 2.41<br>Failed <sup>5</sup> | Ratio: 2.79<br>Failed <sup>5</sup>  | Ratio: 3.23<br>AA 18pt <sup>2</sup> | Ratio: 3.44<br>AA 18pt <sup>2</sup> |
| Hex(988FB0) | Ratio: 1.47<br>Failed <sup>5</sup>  | Ratio: 1.20<br>Failed <sup>5</sup>  |                                    | Ratio: 1.21<br>Failed <sup>5</sup> | Ratio: 1.43<br>Failed <sup>5</sup> | Ratio: 1.70<br>Failed <sup>5</sup> | Ratio: 2.00<br>Failed <sup>5</sup> | Ratio: 2.32<br>Failed <sup>5</sup>  | Ratio: 2.68<br>Failed <sup>5</sup>  | Ratio: 2.85<br>Failed <sup>5</sup>  |
| Hex(A5A1B0) | Ratio: 1.78<br>Failed <sup>5</sup>  | Ratio: 1.45<br>Failed <sup>5</sup>  | Ratio: 1.21<br>Failed <sup>5</sup> |                                    | Ratio: 1.19<br>Failed <sup>5</sup> | Ratio: 1.41<br>Failed <sup>5</sup> | Ratio: 1.66<br>Failed <sup>5</sup> | Ratio: 1.92<br>Failed <sup>5</sup>  | Ratio: 2.22<br>Failed <sup>5</sup>  | Ratio: 2.36<br>Failed <sup>5</sup>  |
| Hex(B2B2B0) | Ratio: 2.12<br>Failed <sup>5</sup>  | Ratio: 1.73<br>Failed <sup>5</sup>  | Ratio: 1.43<br>Failed <sup>5</sup> | Ratio: 1.19<br>Failed <sup>5</sup> |                                    | Ratio: 1.18<br>Failed <sup>5</sup> | Ratio: 1.39<br>Failed <sup>5</sup> | Ratio: 1.62<br>Failed <sup>5</sup>  | Ratio: 1.87<br>Failed <sup>5</sup>  | Ratio: 1.99<br>Failed <sup>5</sup>  |
| Hex(BEC4B0) | Ratio: 2.51<br>Failed <sup>5</sup>  | Ratio: 2.05<br>Failed <sup>5</sup>  | Ratio: 1.70<br>Failed <sup>5</sup> | Ratio: 1.41<br>Failed <sup>5</sup> | Ratio: 1.18<br>Failed <sup>5</sup> |                                    | Ratio: 1.18<br>Failed <sup>5</sup> | Ratio: 1.36<br>Failed <sup>5</sup>  | Ratio: 1.58<br>Failed <sup>5</sup>  | Ratio: 1.68<br>Failed <sup>5</sup>  |
| Hex(CBD6B0) | Ratio: 2.95<br>Failed <sup>5</sup>  | Ratio: 2.41<br>Failed <sup>5</sup>  | Ratio: 2.00<br>Failed <sup>5</sup> | Ratio: 1.66<br>Failed <sup>5</sup> | Ratio: 1.39<br>Failed <sup>5</sup> | Ratio: 1.18<br>Failed <sup>5</sup> |                                    | Ratio: 1.16<br>Failed <sup>5</sup>  | Ratio: 1.34<br>Failed <sup>5</sup>  | Ratio: 1.43<br>Failed <sup>5</sup>  |
| Hex(D8E7B0) | Ratio: 3.42<br>AA 18pt <sup>2</sup> | Ratio: 2.79<br>Failed <sup>5</sup>  | Ratio: 2.32<br>Failed <sup>5</sup> | Ratio: 1.92<br>Failed <sup>5</sup> | Ratio: 1.62<br>Failed <sup>5</sup> | Ratio: 1.36<br>Failed <sup>5</sup> | Ratio: 1.16<br>Failed <sup>5</sup> |                                     | Ratio: 1.16<br>Failed <sup>5</sup>  | Ratio: 1.23<br>Failed <sup>5</sup>  |
| Hex(E4F9B0) | Ratio: 3.95<br>AA 18pt <sup>2</sup> | Ratio: 3.23<br>AA 18pt <sup>2</sup> | Ratio: 2.68<br>Failed <sup>5</sup> | Ratio: 2.22<br>Failed <sup>5</sup> | Ratio: 1.87<br>Failed <sup>5</sup> | Ratio: 1.58<br>Failed <sup>5</sup> | Ratio: 1.34<br>Failed <sup>5</sup> | Ratio: 1.16<br>Failed <sup>5</sup>  |                                     | Ratio: 1.06<br>Failed <sup>5</sup>  |
| Hex(F1FFB0) | Ratio: 4.21<br>AA 18pt <sup>2</sup> | Ratio: 3.44<br>AA 18pt <sup>2</sup> | Ratio: 2.85<br>Failed <sup>5</sup> | Ratio: 2.36<br>Failed <sup>5</sup> | Ratio: 1.99<br>Failed <sup>5</sup> | Ratio: 1.68<br>Failed <sup>5</sup> | Ratio: 1.43<br>Failed <sup>5</sup> | Ratio: 1.23<br>Failed <sup>5</sup>  | Ratio: 1.06<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.

This PDF was generated on [convertingcolors.com](https://convertingcolors.com).