

# Converting Colors - WCAG Matrix

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

|             | Hex(958CA3)                         | Hex(8A7CA3)                         | Hex(806CA3)                        | Hex(755BA3)                        | Hex(6B4BA3)                        | Hex(603BA3)                        | Hex(562AA3)                        | Hex(4B1AA3)                         | Hex(410AA3)                         | Hex(3A00A3)                         |
|-------------|-------------------------------------|-------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| Hex(958CA3) |                                     | Ratio: 1.19<br>Failed <sup>5</sup>  | Ratio: 1.43<br>Failed <sup>5</sup> | Ratio: 1.73<br>Failed <sup>5</sup> | Ratio: 2.08<br>Failed <sup>5</sup> | Ratio: 2.47<br>Failed <sup>5</sup> | Ratio: 2.91<br>Failed <sup>5</sup> | Ratio: 3.32<br>AA 18pt <sup>2</sup> | Ratio: 3.65<br>AA 18pt <sup>2</sup> | Ratio: 3.84<br>AA 18pt <sup>2</sup> |
| Hex(8A7CA3) | Ratio: 1.19<br>Failed <sup>5</sup>  |                                     | Ratio: 1.20<br>Failed <sup>5</sup> | Ratio: 1.45<br>Failed <sup>5</sup> | Ratio: 1.74<br>Failed <sup>5</sup> | Ratio: 2.07<br>Failed <sup>5</sup> | Ratio: 2.43<br>Failed <sup>5</sup> | Ratio: 2.78<br>Failed <sup>5</sup>  | Ratio: 3.06<br>AA 18pt <sup>2</sup> | Ratio: 3.21<br>AA 18pt <sup>2</sup> |
| Hex(806CA3) | Ratio: 1.43<br>Failed <sup>5</sup>  | Ratio: 1.20<br>Failed <sup>5</sup>  |                                    | Ratio: 1.21<br>Failed <sup>5</sup> | Ratio: 1.45<br>Failed <sup>5</sup> | Ratio: 1.73<br>Failed <sup>5</sup> | Ratio: 2.04<br>Failed <sup>5</sup> | Ratio: 2.32<br>Failed <sup>5</sup>  | Ratio: 2.56<br>Failed <sup>5</sup>  | Ratio: 2.69<br>Failed <sup>5</sup>  |
| Hex(755BA3) | Ratio: 1.73<br>Failed <sup>5</sup>  | Ratio: 1.45<br>Failed <sup>5</sup>  | Ratio: 1.21<br>Failed <sup>5</sup> |                                    | Ratio: 1.20<br>Failed <sup>5</sup> | Ratio: 1.43<br>Failed <sup>5</sup> | Ratio: 1.68<br>Failed <sup>5</sup> | Ratio: 1.91<br>Failed <sup>5</sup>  | Ratio: 2.10<br>Failed <sup>5</sup>  | Ratio: 2.21<br>Failed <sup>5</sup>  |
| Hex(6B4BA3) | Ratio: 2.08<br>Failed <sup>5</sup>  | Ratio: 1.74<br>Failed <sup>5</sup>  | Ratio: 1.45<br>Failed <sup>5</sup> | Ratio: 1.20<br>Failed <sup>5</sup> |                                    | Ratio: 1.19<br>Failed <sup>5</sup> | Ratio: 1.40<br>Failed <sup>5</sup> | Ratio: 1.60<br>Failed <sup>5</sup>  | Ratio: 1.76<br>Failed <sup>5</sup>  | Ratio: 1.85<br>Failed <sup>5</sup>  |
| Hex(603BA3) | Ratio: 2.47<br>Failed <sup>5</sup>  | Ratio: 2.07<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: 1.34<br>Failed <sup>5</sup>  | Ratio: 1.48<br>Failed <sup>5</sup>  | Ratio: 1.55<br>Failed <sup>5</sup>  |
| Hex(562AA3) | Ratio: 2.91<br>Failed <sup>5</sup>  | Ratio: 2.43<br>Failed <sup>5</sup>  | Ratio: 2.04<br>Failed <sup>5</sup> | Ratio: 1.68<br>Failed <sup>5</sup> | Ratio: 1.40<br>Failed <sup>5</sup> | Ratio: 1.18<br>Failed <sup>5</sup> |                                    | Ratio: 1.14<br>Failed <sup>5</sup>  | Ratio: 1.26<br>Failed <sup>5</sup>  | Ratio: 1.32<br>Failed <sup>5</sup>  |
| Hex(4B1AA3) | Ratio: 3.32<br>AA 18pt <sup>2</sup> | Ratio: 2.78<br>Failed <sup>5</sup>  | Ratio: 2.32<br>Failed <sup>5</sup> | Ratio: 1.91<br>Failed <sup>5</sup> | Ratio: 1.60<br>Failed <sup>5</sup> | Ratio: 1.34<br>Failed <sup>5</sup> | Ratio: 1.14<br>Failed <sup>5</sup> |                                     | Ratio: 1.10<br>Failed <sup>5</sup>  | Ratio: 1.16<br>Failed <sup>5</sup>  |
| Hex(410AA3) | Ratio: 3.65<br>AA 18pt <sup>2</sup> | Ratio: 3.06<br>AA 18pt <sup>2</sup> | Ratio: 2.56<br>Failed <sup>5</sup> | Ratio: 2.10<br>Failed <sup>5</sup> | Ratio: 1.76<br>Failed <sup>5</sup> | Ratio: 1.48<br>Failed <sup>5</sup> | Ratio: 1.26<br>Failed <sup>5</sup> | Ratio: 1.10<br>Failed <sup>5</sup>  |                                     | Ratio: 1.05<br>Failed <sup>5</sup>  |
| Hex(3A00A3) | Ratio: 3.84<br>AA 18pt <sup>2</sup> | Ratio: 3.21<br>AA 18pt <sup>2</sup> | Ratio: 2.69<br>Failed <sup>5</sup> | Ratio: 2.21<br>Failed <sup>5</sup> | Ratio: 1.85<br>Failed <sup>5</sup> | Ratio: 1.55<br>Failed <sup>5</sup> | Ratio: 1.32<br>Failed <sup>5</sup> | Ratio: 1.16<br>Failed <sup>5</sup>  | Ratio: 1.05<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).