

# Converting Colors - WCAG Matrix

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

|             | Hex(A795BE)                        | Hex(B2A8BE)                        | Hex(BCBBBE)                        | Hex(C7CEBE)                        | Hex(D2E1BE)                        | Hex(DCF4BE)                        | Hex(E7FFBE)                        | Hex(F2FFBE)                        | Hex(FCFFBE)                        | Hex(FFFFBE)                        |
|-------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|
| Hex(A795BE) |                                    | Ratio: 1.20<br>Failed <sup>5</sup> | Ratio: 1.43<br>Failed <sup>5</sup> | Ratio: 1.69<br>Failed <sup>5</sup> | Ratio: 1.98<br>Failed <sup>5</sup> | Ratio: 2.31<br>Failed <sup>5</sup> | Ratio: 2.53<br>Failed <sup>5</sup> | Ratio: 2.58<br>Failed <sup>5</sup> | Ratio: 2.63<br>Failed <sup>5</sup> | Ratio: 2.64<br>Failed <sup>5</sup> |
| Hex(B2A8BE) | Ratio: 1.20<br>Failed <sup>5</sup> |                                    | Ratio: 1.19<br>Failed <sup>5</sup> | Ratio: 1.41<br>Failed <sup>5</sup> | Ratio: 1.65<br>Failed <sup>5</sup> | Ratio: 1.92<br>Failed <sup>5</sup> | Ratio: 2.11<br>Failed <sup>5</sup> | Ratio: 2.15<br>Failed <sup>5</sup> | Ratio: 2.19<br>Failed <sup>5</sup> | Ratio: 2.20<br>Failed <sup>5</sup> |
| Hex(BCBBBE) | 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: 1.61<br>Failed <sup>5</sup> | Ratio: 1.77<br>Failed <sup>5</sup> | Ratio: 1.80<br>Failed <sup>5</sup> | Ratio: 1.84<br>Failed <sup>5</sup> | Ratio: 1.85<br>Failed <sup>5</sup> |
| Hex(C7CEBE) | Ratio: 1.69<br>Failed <sup>5</sup> | Ratio: 1.41<br>Failed <sup>5</sup> | Ratio: 1.18<br>Failed <sup>5</sup> |                                    | Ratio: 1.17<br>Failed <sup>5</sup> | Ratio: 1.36<br>Failed <sup>5</sup> | Ratio: 1.50<br>Failed <sup>5</sup> | Ratio: 1.52<br>Failed <sup>5</sup> | Ratio: 1.55<br>Failed <sup>5</sup> | Ratio: 1.56<br>Failed <sup>5</sup> |
| Hex(D2E1BE) | Ratio: 1.98<br>Failed <sup>5</sup> | Ratio: 1.65<br>Failed <sup>5</sup> | Ratio: 1.39<br>Failed <sup>5</sup> | Ratio: 1.17<br>Failed <sup>5</sup> |                                    | Ratio: 1.16<br>Failed <sup>5</sup> | Ratio: 1.27<br>Failed <sup>5</sup> | Ratio: 1.30<br>Failed <sup>5</sup> | Ratio: 1.32<br>Failed <sup>5</sup> | Ratio: 1.33<br>Failed <sup>5</sup> |
| Hex(DCF4BE) | Ratio: 2.31<br>Failed <sup>5</sup> | Ratio: 1.92<br>Failed <sup>5</sup> | Ratio: 1.61<br>Failed <sup>5</sup> | Ratio: 1.36<br>Failed <sup>5</sup> | Ratio: 1.16<br>Failed <sup>5</sup> |                                    | Ratio: 1.10<br>Failed <sup>5</sup> | Ratio: 1.12<br>Failed <sup>5</sup> | Ratio: 1.14<br>Failed <sup>5</sup> | Ratio: 1.15<br>Failed <sup>5</sup> |
| Hex(E7FFBE) | Ratio: 2.53<br>Failed <sup>5</sup> | Ratio: 2.11<br>Failed <sup>5</sup> | Ratio: 1.77<br>Failed <sup>5</sup> | Ratio: 1.50<br>Failed <sup>5</sup> | Ratio: 1.27<br>Failed <sup>5</sup> | Ratio: 1.10<br>Failed <sup>5</sup> |                                    | Ratio: 1.02<br>Failed <sup>5</sup> | Ratio: 1.04<br>Failed <sup>5</sup> | Ratio: 1.04<br>Failed <sup>5</sup> |
| Hex(F2FFBE) | Ratio: 2.58<br>Failed <sup>5</sup> | Ratio: 2.15<br>Failed <sup>5</sup> | Ratio: 1.80<br>Failed <sup>5</sup> | Ratio: 1.52<br>Failed <sup>5</sup> | Ratio: 1.30<br>Failed <sup>5</sup> | Ratio: 1.12<br>Failed <sup>5</sup> | Ratio: 1.02<br>Failed <sup>5</sup> |                                    | Ratio: 1.02<br>Failed <sup>5</sup> | Ratio: 1.02<br>Failed <sup>5</sup> |
| Hex(FCFFBE) | Ratio: 2.63<br>Failed <sup>5</sup> | Ratio: 2.19<br>Failed <sup>5</sup> | Ratio: 1.84<br>Failed <sup>5</sup> | Ratio: 1.55<br>Failed <sup>5</sup> | Ratio: 1.32<br>Failed <sup>5</sup> | Ratio: 1.14<br>Failed <sup>5</sup> | Ratio: 1.04<br>Failed <sup>5</sup> | Ratio: 1.02<br>Failed <sup>5</sup> |                                    | Ratio: 1.01<br>Failed <sup>5</sup> |
| Hex(FFFFBE) | Ratio: 2.64<br>Failed <sup>5</sup> | Ratio: 2.20<br>Failed <sup>5</sup> | Ratio: 1.85<br>Failed <sup>5</sup> | Ratio: 1.56<br>Failed <sup>5</sup> | Ratio: 1.33<br>Failed <sup>5</sup> | Ratio: 1.15<br>Failed <sup>5</sup> | Ratio: 1.04<br>Failed <sup>5</sup> | Ratio: 1.02<br>Failed <sup>5</sup> | Ratio: 1.01<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).