

# Converting Colors - WCAG Matrix

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

|             | Hex(786870)                        | Hex(787476)                        | Hex(78807C)                        | Hex(788C83)                        | Hex(789889)                        | Hex(78A490)                        | Hex(78B096)                        | Hex(78BC9C)                        | Hex(78C8A3)                        | Hex(78D4A9)                        |
|-------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|
| Hex(786870) |                                    | Ratio: 1.14<br>Failed <sup>5</sup> | Ratio: 1.29<br>Failed <sup>5</sup> | Ratio: 1.46<br>Failed <sup>5</sup> | Ratio: 1.66<br>Failed <sup>5</sup> | Ratio: 1.87<br>Failed <sup>5</sup> | Ratio: 2.11<br>Failed <sup>5</sup> | Ratio: 2.36<br>Failed <sup>5</sup> | Ratio: 2.64<br>Failed <sup>5</sup> | Ratio: 2.94<br>Failed <sup>5</sup> |
| Hex(787476) | Ratio: 1.14<br>Failed <sup>5</sup> |                                    | Ratio: 1.14<br>Failed <sup>5</sup> | Ratio: 1.29<br>Failed <sup>5</sup> | Ratio: 1.46<br>Failed <sup>5</sup> | Ratio: 1.65<br>Failed <sup>5</sup> | Ratio: 1.85<br>Failed <sup>5</sup> | Ratio: 2.08<br>Failed <sup>5</sup> | Ratio: 2.32<br>Failed <sup>5</sup> | Ratio: 2.59<br>Failed <sup>5</sup> |
| Hex(78807C) | Ratio: 1.29<br>Failed <sup>5</sup> | Ratio: 1.14<br>Failed <sup>5</sup> |                                    | Ratio: 1.14<br>Failed <sup>5</sup> | Ratio: 1.28<br>Failed <sup>5</sup> | Ratio: 1.45<br>Failed <sup>5</sup> | Ratio: 1.63<br>Failed <sup>5</sup> | Ratio: 1.83<br>Failed <sup>5</sup> | Ratio: 2.05<br>Failed <sup>5</sup> | Ratio: 2.28<br>Failed <sup>5</sup> |
| Hex(788C83) | Ratio: 1.46<br>Failed <sup>5</sup> | Ratio: 1.29<br>Failed <sup>5</sup> | Ratio: 1.14<br>Failed <sup>5</sup> |                                    | Ratio: 1.13<br>Failed <sup>5</sup> | Ratio: 1.28<br>Failed <sup>5</sup> | Ratio: 1.44<br>Failed <sup>5</sup> | Ratio: 1.61<br>Failed <sup>5</sup> | Ratio: 1.80<br>Failed <sup>5</sup> | Ratio: 2.01<br>Failed <sup>5</sup> |
| Hex(789889) | Ratio: 1.66<br>Failed <sup>5</sup> | Ratio: 1.46<br>Failed <sup>5</sup> | Ratio: 1.28<br>Failed <sup>5</sup> | Ratio: 1.13<br>Failed <sup>5</sup> |                                    | Ratio: 1.13<br>Failed <sup>5</sup> | Ratio: 1.27<br>Failed <sup>5</sup> | Ratio: 1.42<br>Failed <sup>5</sup> | Ratio: 1.59<br>Failed <sup>5</sup> | Ratio: 1.77<br>Failed <sup>5</sup> |
| Hex(78A490) | Ratio: 1.87<br>Failed <sup>5</sup> | Ratio: 1.65<br>Failed <sup>5</sup> | Ratio: 1.45<br>Failed <sup>5</sup> | Ratio: 1.28<br>Failed <sup>5</sup> | Ratio: 1.13<br>Failed <sup>5</sup> |                                    | Ratio: 1.12<br>Failed <sup>5</sup> | Ratio: 1.26<br>Failed <sup>5</sup> | Ratio: 1.41<br>Failed <sup>5</sup> | Ratio: 1.57<br>Failed <sup>5</sup> |
| Hex(78B096) | Ratio: 2.11<br>Failed <sup>5</sup> | Ratio: 1.85<br>Failed <sup>5</sup> | Ratio: 1.63<br>Failed <sup>5</sup> | Ratio: 1.44<br>Failed <sup>5</sup> | Ratio: 1.27<br>Failed <sup>5</sup> | Ratio: 1.12<br>Failed <sup>5</sup> |                                    | Ratio: 1.12<br>Failed <sup>5</sup> | Ratio: 1.25<br>Failed <sup>5</sup> | Ratio: 1.40<br>Failed <sup>5</sup> |
| Hex(78BC9C) | Ratio: 2.36<br>Failed <sup>5</sup> | Ratio: 2.08<br>Failed <sup>5</sup> | Ratio: 1.83<br>Failed <sup>5</sup> | Ratio: 1.61<br>Failed <sup>5</sup> | Ratio: 1.42<br>Failed <sup>5</sup> | Ratio: 1.26<br>Failed <sup>5</sup> | Ratio: 1.12<br>Failed <sup>5</sup> |                                    | Ratio: 1.12<br>Failed <sup>5</sup> | Ratio: 1.24<br>Failed <sup>5</sup> |
| Hex(78C8A3) | Ratio: 2.64<br>Failed <sup>5</sup> | Ratio: 2.32<br>Failed <sup>5</sup> | Ratio: 2.05<br>Failed <sup>5</sup> | Ratio: 1.80<br>Failed <sup>5</sup> | Ratio: 1.59<br>Failed <sup>5</sup> | Ratio: 1.41<br>Failed <sup>5</sup> | Ratio: 1.25<br>Failed <sup>5</sup> | Ratio: 1.12<br>Failed <sup>5</sup> |                                    | Ratio: 1.11<br>Failed <sup>5</sup> |
| Hex(78D4A9) | Ratio: 2.94<br>Failed <sup>5</sup> | Ratio: 2.59<br>Failed <sup>5</sup> | Ratio: 2.28<br>Failed <sup>5</sup> | Ratio: 2.01<br>Failed <sup>5</sup> | Ratio: 1.77<br>Failed <sup>5</sup> | Ratio: 1.57<br>Failed <sup>5</sup> | Ratio: 1.40<br>Failed <sup>5</sup> | Ratio: 1.24<br>Failed <sup>5</sup> | Ratio: 1.11<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).