

# Converting Colors - WCAG Matrix

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

|             | Hex(AD494E)                         | Hex(AD5A5E)                         | Hex(AD6C6F)                        | Hex(AD7D7F)                        | Hex(AD8E90)                        | Hex(ADA0A0)                        | Hex(ADB1B1)                        | Hex(ADC2C1)                        | Hex(ADD3D1)                         | Hex(ADE5E2)                         |
|-------------|-------------------------------------|-------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|-------------------------------------|-------------------------------------|
| Hex(AD494E) |                                     | Ratio: 1.15<br>Failed <sup>5</sup>  | Ratio: 1.34<br>Failed <sup>5</sup> | Ratio: 1.57<br>Failed <sup>5</sup> | Ratio: 1.84<br>Failed <sup>5</sup> | Ratio: 2.16<br>Failed <sup>5</sup> | Ratio: 2.53<br>Failed <sup>5</sup> | Ratio: 2.93<br>Failed <sup>5</sup> | Ratio: 3.39<br>AA 18pt <sup>2</sup> | Ratio: 3.93<br>AA 18pt <sup>2</sup> |
| Hex(AD5A5E) | Ratio: 1.15<br>Failed <sup>5</sup>  |                                     | Ratio: 1.17<br>Failed <sup>5</sup> | Ratio: 1.37<br>Failed <sup>5</sup> | Ratio: 1.60<br>Failed <sup>5</sup> | Ratio: 1.89<br>Failed <sup>5</sup> | Ratio: 2.20<br>Failed <sup>5</sup> | Ratio: 2.56<br>Failed <sup>5</sup> | Ratio: 2.96<br>Failed <sup>5</sup>  | Ratio: 3.43<br>AA 18pt <sup>2</sup> |
| Hex(AD6C6F) | Ratio: 1.34<br>Failed <sup>5</sup>  | Ratio: 1.17<br>Failed <sup>5</sup>  |                                    | Ratio: 1.17<br>Failed <sup>5</sup> | Ratio: 1.37<br>Failed <sup>5</sup> | Ratio: 1.61<br>Failed <sup>5</sup> | Ratio: 1.88<br>Failed <sup>5</sup> | Ratio: 2.19<br>Failed <sup>5</sup> | Ratio: 2.53<br>Failed <sup>5</sup>  | Ratio: 2.93<br>Failed <sup>5</sup>  |
| Hex(AD7D7F) | Ratio: 1.57<br>Failed <sup>5</sup>  | Ratio: 1.37<br>Failed <sup>5</sup>  | Ratio: 1.17<br>Failed <sup>5</sup> |                                    | Ratio: 1.17<br>Failed <sup>5</sup> | Ratio: 1.38<br>Failed <sup>5</sup> | Ratio: 1.61<br>Failed <sup>5</sup> | Ratio: 1.87<br>Failed <sup>5</sup> | Ratio: 2.16<br>Failed <sup>5</sup>  | Ratio: 2.51<br>Failed <sup>5</sup>  |
| Hex(AD8E90) | Ratio: 1.84<br>Failed <sup>5</sup>  | Ratio: 1.60<br>Failed <sup>5</sup>  | Ratio: 1.37<br>Failed <sup>5</sup> | Ratio: 1.17<br>Failed <sup>5</sup> |                                    | Ratio: 1.18<br>Failed <sup>5</sup> | Ratio: 1.38<br>Failed <sup>5</sup> | Ratio: 1.60<br>Failed <sup>5</sup> | Ratio: 1.85<br>Failed <sup>5</sup>  | Ratio: 2.14<br>Failed <sup>5</sup>  |
| Hex(ADA0A0) | Ratio: 2.16<br>Failed <sup>5</sup>  | Ratio: 1.89<br>Failed <sup>5</sup>  | Ratio: 1.61<br>Failed <sup>5</sup> | Ratio: 1.38<br>Failed <sup>5</sup> | Ratio: 1.18<br>Failed <sup>5</sup> |                                    | Ratio: 1.17<br>Failed <sup>5</sup> | Ratio: 1.35<br>Failed <sup>5</sup> | Ratio: 1.57<br>Failed <sup>5</sup>  | Ratio: 1.81<br>Failed <sup>5</sup>  |
| Hex(ADB1B1) | Ratio: 2.53<br>Failed <sup>5</sup>  | Ratio: 2.20<br>Failed <sup>5</sup>  | Ratio: 1.88<br>Failed <sup>5</sup> | Ratio: 1.61<br>Failed <sup>5</sup> | Ratio: 1.38<br>Failed <sup>5</sup> | Ratio: 1.17<br>Failed <sup>5</sup> |                                    | Ratio: 1.16<br>Failed <sup>5</sup> | Ratio: 1.34<br>Failed <sup>5</sup>  | Ratio: 1.55<br>Failed <sup>5</sup>  |
| Hex(ADC2C1) | Ratio: 2.93<br>Failed <sup>5</sup>  | Ratio: 2.56<br>Failed <sup>5</sup>  | Ratio: 2.19<br>Failed <sup>5</sup> | Ratio: 1.87<br>Failed <sup>5</sup> | Ratio: 1.60<br>Failed <sup>5</sup> | Ratio: 1.35<br>Failed <sup>5</sup> | Ratio: 1.16<br>Failed <sup>5</sup> |                                    | Ratio: 1.16<br>Failed <sup>5</sup>  | Ratio: 1.34<br>Failed <sup>5</sup>  |
| Hex(ADD3D1) | Ratio: 3.39<br>AA 18pt <sup>2</sup> | Ratio: 2.96<br>Failed <sup>5</sup>  | Ratio: 2.53<br>Failed <sup>5</sup> | Ratio: 2.16<br>Failed <sup>5</sup> | Ratio: 1.85<br>Failed <sup>5</sup> | Ratio: 1.57<br>Failed <sup>5</sup> | Ratio: 1.34<br>Failed <sup>5</sup> | Ratio: 1.16<br>Failed <sup>5</sup> |                                     | Ratio: 1.16<br>Failed <sup>5</sup>  |
| Hex(ADE5E2) | Ratio: 3.93<br>AA 18pt <sup>2</sup> | Ratio: 3.43<br>AA 18pt <sup>2</sup> | Ratio: 2.93<br>Failed <sup>5</sup> | Ratio: 2.51<br>Failed <sup>5</sup> | Ratio: 2.14<br>Failed <sup>5</sup> | Ratio: 1.81<br>Failed <sup>5</sup> | Ratio: 1.55<br>Failed <sup>5</sup> | Ratio: 1.34<br>Failed <sup>5</sup> | Ratio: 1.16<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.

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