

# Converting Colors - WCAG Matrix

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

|             | Hex(E2DBC6)                        | Hex(E2D5AF)                        | Hex(E2D099)                        | Hex(E2CA82)                        | Hex(E2C46C)                        | Hex(E2BF55)                        | Hex(E2B93E)                        | Hex(E2B328)                        | Hex(E2AE11)                        | Hex(E2A900)                        |
|-------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|
| Hex(E2DBC6) |                                    | Ratio: 1.06<br>Failed <sup>5</sup> | Ratio: 1.11<br>Failed <sup>5</sup> | Ratio: 1.17<br>Failed <sup>5</sup> | Ratio: 1.23<br>Failed <sup>5</sup> | Ratio: 1.28<br>Failed <sup>5</sup> | Ratio: 1.35<br>Failed <sup>5</sup> | Ratio: 1.42<br>Failed <sup>5</sup> | Ratio: 1.47<br>Failed <sup>5</sup> | Ratio: 1.53<br>Failed <sup>5</sup> |
| Hex(E2D5AF) | Ratio: 1.06<br>Failed <sup>5</sup> |                                    | Ratio: 1.05<br>Failed <sup>5</sup> | Ratio: 1.11<br>Failed <sup>5</sup> | Ratio: 1.16<br>Failed <sup>5</sup> | Ratio: 1.22<br>Failed <sup>5</sup> | Ratio: 1.28<br>Failed <sup>5</sup> | Ratio: 1.34<br>Failed <sup>5</sup> | Ratio: 1.40<br>Failed <sup>5</sup> | Ratio: 1.45<br>Failed <sup>5</sup> |
| Hex(E2D099) | Ratio: 1.11<br>Failed <sup>5</sup> | Ratio: 1.05<br>Failed <sup>5</sup> |                                    | Ratio: 1.05<br>Failed <sup>5</sup> | Ratio: 1.11<br>Failed <sup>5</sup> | Ratio: 1.16<br>Failed <sup>5</sup> | Ratio: 1.22<br>Failed <sup>5</sup> | Ratio: 1.28<br>Failed <sup>5</sup> | Ratio: 1.33<br>Failed <sup>5</sup> | Ratio: 1.38<br>Failed <sup>5</sup> |
| Hex(E2CA82) | Ratio: 1.17<br>Failed <sup>5</sup> | Ratio: 1.11<br>Failed <sup>5</sup> | Ratio: 1.05<br>Failed <sup>5</sup> |                                    | Ratio: 1.05<br>Failed <sup>5</sup> | Ratio: 1.10<br>Failed <sup>5</sup> | Ratio: 1.16<br>Failed <sup>5</sup> | Ratio: 1.21<br>Failed <sup>5</sup> | Ratio: 1.26<br>Failed <sup>5</sup> | Ratio: 1.31<br>Failed <sup>5</sup> |
| Hex(E2C46C) | Ratio: 1.23<br>Failed <sup>5</sup> | Ratio: 1.16<br>Failed <sup>5</sup> | Ratio: 1.11<br>Failed <sup>5</sup> | Ratio: 1.05<br>Failed <sup>5</sup> |                                    | Ratio: 1.04<br>Failed <sup>5</sup> | Ratio: 1.10<br>Failed <sup>5</sup> | Ratio: 1.15<br>Failed <sup>5</sup> | Ratio: 1.20<br>Failed <sup>5</sup> | Ratio: 1.25<br>Failed <sup>5</sup> |
| Hex(E2BF55) | Ratio: 1.28<br>Failed <sup>5</sup> | Ratio: 1.22<br>Failed <sup>5</sup> | Ratio: 1.16<br>Failed <sup>5</sup> | Ratio: 1.10<br>Failed <sup>5</sup> | Ratio: 1.04<br>Failed <sup>5</sup> |                                    | Ratio: 1.05<br>Failed <sup>5</sup> | Ratio: 1.10<br>Failed <sup>5</sup> | Ratio: 1.15<br>Failed <sup>5</sup> | Ratio: 1.19<br>Failed <sup>5</sup> |
| Hex(E2B93E) | Ratio: 1.35<br>Failed <sup>5</sup> | Ratio: 1.28<br>Failed <sup>5</sup> | Ratio: 1.22<br>Failed <sup>5</sup> | Ratio: 1.16<br>Failed <sup>5</sup> | Ratio: 1.10<br>Failed <sup>5</sup> | Ratio: 1.05<br>Failed <sup>5</sup> |                                    | Ratio: 1.05<br>Failed <sup>5</sup> | Ratio: 1.09<br>Failed <sup>5</sup> | Ratio: 1.13<br>Failed <sup>5</sup> |
| Hex(E2B328) | Ratio: 1.42<br>Failed <sup>5</sup> | Ratio: 1.34<br>Failed <sup>5</sup> | Ratio: 1.28<br>Failed <sup>5</sup> | Ratio: 1.21<br>Failed <sup>5</sup> | Ratio: 1.15<br>Failed <sup>5</sup> | Ratio: 1.10<br>Failed <sup>5</sup> | Ratio: 1.05<br>Failed <sup>5</sup> |                                    | Ratio: 1.04<br>Failed <sup>5</sup> | Ratio: 1.08<br>Failed <sup>5</sup> |
| Hex(E2AE11) | Ratio: 1.47<br>Failed <sup>5</sup> | Ratio: 1.40<br>Failed <sup>5</sup> | Ratio: 1.33<br>Failed <sup>5</sup> | Ratio: 1.26<br>Failed <sup>5</sup> | Ratio: 1.20<br>Failed <sup>5</sup> | Ratio: 1.15<br>Failed <sup>5</sup> | Ratio: 1.09<br>Failed <sup>5</sup> | Ratio: 1.04<br>Failed <sup>5</sup> |                                    | Ratio: 1.04<br>Failed <sup>5</sup> |
| Hex(E2A900) | Ratio: 1.53<br>Failed <sup>5</sup> | Ratio: 1.45<br>Failed <sup>5</sup> | Ratio: 1.38<br>Failed <sup>5</sup> | Ratio: 1.31<br>Failed <sup>5</sup> | Ratio: 1.25<br>Failed <sup>5</sup> | Ratio: 1.19<br>Failed <sup>5</sup> | Ratio: 1.13<br>Failed <sup>5</sup> | Ratio: 1.08<br>Failed <sup>5</sup> | Ratio: 1.04<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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