

# Converting Colors - WCAG Matrix

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

Hex(E8CCAC) Hex(E8D7C3) Hex(E8E2DA) Hex(E8ECF2) Hex(E8F7FF) Hex(E8FFFF)

|             | Hex(E8CCAC)                        | Hex(E8D7C3)                        | Hex(E8E2DA)                        | Hex(E8ECF2)                        | Hex(E8F7FF)                        | Hex(E8FFFF)                        |
|-------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|
| Hex(E8CCAC) |                                    | Ratio: 1.09<br>Failed <sup>5</sup> | Ratio: 1.19<br>Failed <sup>5</sup> | Ratio: 1.30<br>Failed <sup>5</sup> | Ratio: 1.40<br>Failed <sup>5</sup> | Ratio: 1.48<br>Failed <sup>5</sup> |
| Hex(E8D7C3) | Ratio: 1.09<br>Failed <sup>5</sup> |                                    | Ratio: 1.09<br>Failed <sup>5</sup> | Ratio: 1.19<br>Failed <sup>5</sup> | Ratio: 1.28<br>Failed <sup>5</sup> | Ratio: 1.35<br>Failed <sup>5</sup> |
| Hex(E8E2DA) | Ratio: 1.19<br>Failed <sup>5</sup> | Ratio: 1.09<br>Failed <sup>5</sup> |                                    | Ratio: 1.09<br>Failed <sup>5</sup> | Ratio: 1.18<br>Failed <sup>5</sup> | Ratio: 1.24<br>Failed <sup>5</sup> |
| Hex(E8ECF2) | Ratio: 1.30<br>Failed <sup>5</sup> | Ratio: 1.19<br>Failed <sup>5</sup> | Ratio: 1.09<br>Failed <sup>5</sup> |                                    | Ratio: 1.08<br>Failed <sup>5</sup> | Ratio: 1.14<br>Failed <sup>5</sup> |
| Hex(E8F7FF) | Ratio: 1.40<br>Failed <sup>5</sup> | Ratio: 1.28<br>Failed <sup>5</sup> | Ratio: 1.18<br>Failed <sup>5</sup> | Ratio: 1.08<br>Failed <sup>5</sup> |                                    | Ratio: 1.05<br>Failed <sup>5</sup> |
| Hex(E8FFFF) | Ratio: 1.48<br>Failed <sup>5</sup> | Ratio: 1.35<br>Failed <sup>5</sup> | Ratio: 1.24<br>Failed <sup>5</sup> | Ratio: 1.14<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.

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