

# Converting Colors - WCAG Matrix

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

Hex(5E5947) Hex(FFFFFF) Hex(918B77) Hex(ABA591) Hex(C7C0AC) Hex(E3DCC7) Hex(FFF9E3)

|             | Hex(5E5947)                                             | Hex(FFFFFF)                         | Hex(918B77)                         | Hex(ABA591)                        | Hex(C7C0AC)                         | Hex(E3DCC7)                                             | Hex(FFF9E3)                                             |
|-------------|---------------------------------------------------------|-------------------------------------|-------------------------------------|------------------------------------|-------------------------------------|---------------------------------------------------------|---------------------------------------------------------|
| Hex(5E5947) |                                                         | Ratio: 7.01<br>Passed <sup>6</sup>  | Ratio: 2.06<br>Failed <sup>5</sup>  | Ratio: 2.84<br>Failed <sup>5</sup> | Ratio: 3.86<br>AA 18pt <sup>2</sup> | Ratio: 5.12<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 6.65<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(FFFFFF) | Ratio: 7.01<br>Passed <sup>6</sup>                      |                                     | Ratio: 3.41<br>AA 18pt <sup>2</sup> | Ratio: 2.46<br>Failed <sup>5</sup> | Ratio: 1.82<br>Failed <sup>5</sup>  | Ratio: 1.37<br>Failed <sup>5</sup>                      | Ratio: 1.05<br>Failed <sup>5</sup>                      |
| Hex(918B77) | Ratio: 2.06<br>Failed <sup>5</sup>                      | Ratio: 3.41<br>AA 18pt <sup>2</sup> |                                     | Ratio: 1.38<br>Failed <sup>5</sup> | Ratio: 1.88<br>Failed <sup>5</sup>  | Ratio: 2.49<br>Failed <sup>5</sup>                      | Ratio: 3.23<br>AA 18pt <sup>2</sup>                     |
| Hex(ABA591) | Ratio: 2.84<br>Failed <sup>5</sup>                      | Ratio: 2.46<br>Failed <sup>5</sup>  | Ratio: 1.38<br>Failed <sup>5</sup>  |                                    | Ratio: 1.36<br>Failed <sup>5</sup>  | Ratio: 1.80<br>Failed <sup>5</sup>                      | Ratio: 2.34<br>Failed <sup>5</sup>                      |
| Hex(C7C0AC) | Ratio: 3.86<br>AA 18pt <sup>2</sup>                     | Ratio: 1.82<br>Failed <sup>5</sup>  | Ratio: 1.88<br>Failed <sup>5</sup>  | Ratio: 1.36<br>Failed <sup>5</sup> |                                     | Ratio: 1.33<br>Failed <sup>5</sup>                      | Ratio: 1.72<br>Failed <sup>5</sup>                      |
| Hex(E3DCC7) | Ratio: 5.12<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 1.37<br>Failed <sup>5</sup>  | Ratio: 2.49<br>Failed <sup>5</sup>  | Ratio: 1.80<br>Failed <sup>5</sup> | Ratio: 1.33<br>Failed <sup>5</sup>  |                                                         | Ratio: 1.30<br>Failed <sup>5</sup>                      |
| Hex(FFF9E3) | Ratio: 6.65<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 1.05<br>Failed <sup>5</sup>  | Ratio: 3.23<br>AA 18pt <sup>2</sup> | Ratio: 2.34<br>Failed <sup>5</sup> | Ratio: 1.72<br>Failed <sup>5</sup>  | Ratio: 1.30<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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