

# Converting Colors - WCAG Matrix

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

|             | Hex(806B5E)                                             | Hex(9A8477)                         | Hex(B59E91)                        | Hex(D0B9AB)                        | Hex(EDD5C7)                         | Hex(FFF1E3)                                             | Hex(FFFFFF)                                             |
|-------------|---------------------------------------------------------|-------------------------------------|------------------------------------|------------------------------------|-------------------------------------|---------------------------------------------------------|---------------------------------------------------------|
| Hex(806B5E) |                                                         | Ratio: 1.42<br>Failed <sup>5</sup>  | Ratio: 1.98<br>Failed <sup>5</sup> | Ratio: 2.68<br>Failed <sup>5</sup> | Ratio: 3.57<br>AA 18pt <sup>2</sup> | Ratio: 4.53<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 5.02<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(9A8477) | Ratio: 1.42<br>Failed <sup>5</sup>                      |                                     | Ratio: 1.39<br>Failed <sup>5</sup> | Ratio: 1.89<br>Failed <sup>5</sup> | Ratio: 2.52<br>Failed <sup>5</sup>  | Ratio: 3.19<br>AA 18pt <sup>2</sup>                     | Ratio: 3.53<br>AA 18pt <sup>2</sup>                     |
| Hex(B59E91) | Ratio: 1.98<br>Failed <sup>5</sup>                      | Ratio: 1.39<br>Failed <sup>5</sup>  |                                    | Ratio: 1.36<br>Failed <sup>5</sup> | Ratio: 1.81<br>Failed <sup>5</sup>  | Ratio: 2.29<br>Failed <sup>5</sup>                      | Ratio: 2.54<br>Failed <sup>5</sup>                      |
| Hex(D0B9AB) | Ratio: 2.68<br>Failed <sup>5</sup>                      | Ratio: 1.89<br>Failed <sup>5</sup>  | Ratio: 1.36<br>Failed <sup>5</sup> |                                    | Ratio: 1.33<br>Failed <sup>5</sup>  | Ratio: 1.69<br>Failed <sup>5</sup>                      | Ratio: 1.87<br>Failed <sup>5</sup>                      |
| Hex(EDD5C7) | Ratio: 3.57<br>AA 18pt <sup>2</sup>                     | Ratio: 2.52<br>Failed <sup>5</sup>  | Ratio: 1.81<br>Failed <sup>5</sup> | Ratio: 1.33<br>Failed <sup>5</sup> |                                     | Ratio: 1.27<br>Failed <sup>5</sup>                      | Ratio: 1.41<br>Failed <sup>5</sup>                      |
| Hex(FFF1E3) | Ratio: 4.53<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 3.19<br>AA 18pt <sup>2</sup> | Ratio: 2.29<br>Failed <sup>5</sup> | Ratio: 1.69<br>Failed <sup>5</sup> | Ratio: 1.27<br>Failed <sup>5</sup>  |                                                         | Ratio: 1.11<br>Failed <sup>5</sup>                      |
| Hex(FFFFFF) | Ratio: 5.02<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 3.53<br>AA 18pt <sup>2</sup> | Ratio: 2.54<br>Failed <sup>5</sup> | Ratio: 1.87<br>Failed <sup>5</sup> | Ratio: 1.41<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.

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