

# Converting Colors - WCAG Matrix

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

|             | Hex(A17A4C)                         | Hex(FFFFFF)                         | Hex(D9AE7D)                        | Hex(F7CA97)                        | Hex(FFE6B2)                         | Hex(FFFCE)                          | Hex(FFFEEA)                         |
|-------------|-------------------------------------|-------------------------------------|------------------------------------|------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| Hex(A17A4C) |                                     | Ratio: 3.89<br>AA 18pt <sup>2</sup> | Ratio: 1.91<br>Failed <sup>5</sup> | Ratio: 2.56<br>Failed <sup>5</sup> | Ratio: 3.19<br>AA 18pt <sup>2</sup> | Ratio: 3.78<br>AA 18pt <sup>2</sup> | Ratio: 3.84<br>AA 18pt <sup>2</sup> |
| Hex(FFFFFF) | Ratio: 3.89<br>AA 18pt <sup>2</sup> |                                     | Ratio: 2.04<br>Failed <sup>5</sup> | Ratio: 1.52<br>Failed <sup>5</sup> | Ratio: 1.22<br>Failed <sup>5</sup>  | Ratio: 1.03<br>Failed <sup>5</sup>  | Ratio: 1.01<br>Failed <sup>5</sup>  |
| Hex(D9AE7D) | Ratio: 1.91<br>Failed <sup>5</sup>  | Ratio: 2.04<br>Failed <sup>5</sup>  |                                    | Ratio: 1.34<br>Failed <sup>5</sup> | Ratio: 1.67<br>Failed <sup>5</sup>  | Ratio: 1.99<br>Failed <sup>5</sup>  | Ratio: 2.01<br>Failed <sup>5</sup>  |
| Hex(F7CA97) | Ratio: 2.56<br>Failed <sup>5</sup>  | Ratio: 1.52<br>Failed <sup>5</sup>  | Ratio: 1.34<br>Failed <sup>5</sup> |                                    | Ratio: 1.24<br>Failed <sup>5</sup>  | Ratio: 1.48<br>Failed <sup>5</sup>  | Ratio: 1.50<br>Failed <sup>5</sup>  |
| Hex(FFE6B2) | Ratio: 3.19<br>AA 18pt <sup>2</sup> | Ratio: 1.22<br>Failed <sup>5</sup>  | Ratio: 1.67<br>Failed <sup>5</sup> | Ratio: 1.24<br>Failed <sup>5</sup> |                                     | Ratio: 1.19<br>Failed <sup>5</sup>  | Ratio: 1.21<br>Failed <sup>5</sup>  |
| Hex(FFFCE)  | Ratio: 3.78<br>AA 18pt <sup>2</sup> | Ratio: 1.03<br>Failed <sup>5</sup>  | Ratio: 1.99<br>Failed <sup>5</sup> | Ratio: 1.48<br>Failed <sup>5</sup> | Ratio: 1.19<br>Failed <sup>5</sup>  |                                     | Ratio: 1.01<br>Failed <sup>5</sup>  |
| Hex(FFFEEA) | Ratio: 3.84<br>AA 18pt <sup>2</sup> | Ratio: 1.01<br>Failed <sup>5</sup>  | Ratio: 2.01<br>Failed <sup>5</sup> | Ratio: 1.50<br>Failed <sup>5</sup> | Ratio: 1.21<br>Failed <sup>5</sup>  | Ratio: 1.01<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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