

# Converting Colors - WCAG Matrix

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

**Hex(EFDAA9) Hex(FFE4A6) Hex(E1EFA9) Hex(78746C) Hex(B88100) Hex(382700)**

|             | Hex(EFDAA9)                         | Hex(FFE4A6)                         | Hex(E1EFA9)                         | Hex(78746C)                         | Hex(B88100)                         | Hex(382700)                         |
|-------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| Hex(EFDAA9) |                                     | Ratio: 1.11<br>Failed <sup>5</sup>  | Ratio: 1.12<br>Failed <sup>5</sup>  | Ratio: 3.38<br>AA 18pt <sup>2</sup> | Ratio: 2.47<br>Failed <sup>5</sup>  | Ratio: 10.47<br>Passed <sup>6</sup> |
| Hex(FFE4A6) | Ratio: 1.11<br>Failed <sup>5</sup>  |                                     | Ratio: 1.01<br>Failed <sup>5</sup>  | Ratio: 3.74<br>AA 18pt <sup>2</sup> | Ratio: 2.74<br>Failed <sup>5</sup>  | Ratio: 11.59<br>Passed <sup>6</sup> |
| Hex(E1EFA9) | Ratio: 1.12<br>Failed <sup>5</sup>  | Ratio: 1.01<br>Failed <sup>5</sup>  |                                     | Ratio: 3.79<br>AA 18pt <sup>2</sup> | Ratio: 2.77<br>Failed <sup>5</sup>  | Ratio: 11.74<br>Passed <sup>6</sup> |
| Hex(78746C) | Ratio: 3.38<br>AA 18pt <sup>2</sup> | Ratio: 3.74<br>AA 18pt <sup>2</sup> | Ratio: 3.79<br>AA 18pt <sup>2</sup> |                                     | Ratio: 1.37<br>Failed <sup>5</sup>  | Ratio: 3.09<br>AA 18pt <sup>2</sup> |
| Hex(B88100) | Ratio: 2.47<br>Failed <sup>5</sup>  | Ratio: 2.74<br>Failed <sup>5</sup>  | Ratio: 2.77<br>Failed <sup>5</sup>  | Ratio: 1.37<br>Failed <sup>5</sup>  |                                     | Ratio: 4.24<br>AA 18pt <sup>2</sup> |
| Hex(382700) | Ratio: 10.47<br>Passed <sup>6</sup> | Ratio: 11.59<br>Passed <sup>6</sup> | Ratio: 11.74<br>Passed <sup>6</sup> | Ratio: 3.09<br>AA 18pt <sup>2</sup> | Ratio: 4.24<br>AA 18pt <sup>2</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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