

# Converting Colors - WCAG Matrix

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

Hex(EABF92) Hex(FFC78C) Hex(EAEA92) Hex(75706A) Hex(B55D00) Hex(361B00)

|             | Hex(EABF92)                        | Hex(FFC78C)                         | Hex(EAEA92)                         | Hex(75706A)                         | Hex(B55D00)                         | Hex(361B00)                         |
|-------------|------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| Hex(EABF92) |                                    | Ratio: 1.12<br>Failed <sup>5</sup>  | Ratio: 1.35<br>Failed <sup>5</sup>  | Ratio: 2.89<br>Failed <sup>5</sup>  | Ratio: 2.73<br>Failed <sup>5</sup>  | Ratio: 9.41<br>Passed <sup>6</sup>  |
| Hex(FFC78C) | Ratio: 1.12<br>Failed <sup>5</sup> |                                     | Ratio: 1.21<br>Failed <sup>5</sup>  | Ratio: 3.22<br>AA 18pt <sup>2</sup> | Ratio: 3.05<br>AA 18pt <sup>2</sup> | Ratio: 10.51<br>Passed <sup>6</sup> |
| Hex(EAEA92) | Ratio: 1.35<br>Failed <sup>5</sup> | Ratio: 1.21<br>Failed <sup>5</sup>  |                                     | Ratio: 3.90<br>AA 18pt <sup>2</sup> | Ratio: 3.68<br>AA 18pt <sup>2</sup> | Ratio: 12.70<br>Passed <sup>6</sup> |
| Hex(75706A) | Ratio: 2.89<br>Failed <sup>5</sup> | Ratio: 3.22<br>AA 18pt <sup>2</sup> | Ratio: 3.90<br>AA 18pt <sup>2</sup> |                                     | Ratio: 1.06<br>Failed <sup>5</sup>  | Ratio: 3.26<br>AA 18pt <sup>2</sup> |
| Hex(B55D00) | Ratio: 2.73<br>Failed <sup>5</sup> | Ratio: 3.05<br>AA 18pt <sup>2</sup> | Ratio: 3.68<br>AA 18pt <sup>2</sup> | Ratio: 1.06<br>Failed <sup>5</sup>  |                                     | Ratio: 3.45<br>AA 18pt <sup>2</sup> |
| Hex(361B00) | Ratio: 9.41<br>Passed <sup>6</sup> | Ratio: 10.51<br>Passed <sup>6</sup> | Ratio: 12.70<br>Passed <sup>6</sup> | Ratio: 3.26<br>AA 18pt <sup>2</sup> | Ratio: 3.45<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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