

# Converting Colors - WCAG Matrix

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

Hex(BF9D7A) Hex(FAC48E) Hex(BF7F7A) Hex(615C57) Hex(A15000) Hex(211100)

|             | Hex(BF9D7A)                        | Hex(FAC48E)                         | Hex(BF7F7A)                         | Hex(615C57)                         | Hex(A15000)                         | Hex(211100)                         |
|-------------|------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| Hex(BF9D7A) |                                    | Ratio: 1.60<br>Failed <sup>5</sup>  | Ratio: 1.32<br>Failed <sup>5</sup>  | Ratio: 2.62<br>Failed <sup>5</sup>  | Ratio: 2.27<br>Failed <sup>5</sup>  | Ratio: 7.27<br>Passed <sup>6</sup>  |
| Hex(FAC48E) | Ratio: 1.60<br>Failed <sup>5</sup> |                                     | Ratio: 1.22<br>Failed <sup>5</sup>  | Ratio: 4.20<br>AA 18pt <sup>2</sup> | Ratio: 3.65<br>AA 18pt <sup>2</sup> | Ratio: 11.66<br>Passed <sup>6</sup> |
| Hex(BF7F7A) | Ratio: 1.32<br>Failed <sup>5</sup> | Ratio: 1.22<br>Failed <sup>5</sup>  |                                     | Ratio: 3.45<br>AA 18pt <sup>2</sup> | Ratio: 2.99<br>Failed <sup>5</sup>  | Ratio: 9.56<br>Passed <sup>6</sup>  |
| Hex(615C57) | Ratio: 2.62<br>Failed <sup>5</sup> | Ratio: 4.20<br>AA 18pt <sup>2</sup> | Ratio: 3.45<br>AA 18pt <sup>2</sup> |                                     | Ratio: 1.15<br>Failed <sup>5</sup>  | Ratio: 2.77<br>Failed <sup>5</sup>  |
| Hex(A15000) | Ratio: 2.27<br>Failed <sup>5</sup> | Ratio: 3.65<br>AA 18pt <sup>2</sup> | Ratio: 2.99<br>Failed <sup>5</sup>  | Ratio: 1.15<br>Failed <sup>5</sup>  |                                     | Ratio: 3.20<br>AA 18pt <sup>2</sup> |
| Hex(211100) | Ratio: 7.27<br>Passed <sup>6</sup> | Ratio: 11.66<br>Passed <sup>6</sup> | Ratio: 9.56<br>Passed <sup>6</sup>  | Ratio: 2.77<br>Failed <sup>5</sup>  | Ratio: 3.20<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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