

# Converting Colors - WCAG Matrix

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

|             | Hex(1F0705)                                             | Hex(FFE7E6)                                             | Hex(4A3433)                                             | Hex(624A4A)                                             | Hex(7B6262)                                             | Hex(957B7A)                                             | Hex(B09594)                                                  | Hex(CBB0AF)                                             | Hex(E7CBCA)                                             |
|-------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|--------------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|
| Hex(1F0705) |                                                         | Ratio: 16.34<br>Passed <sup>6</sup>                     | Ratio: 1.68<br>Failed <sup>5</sup>                      | Ratio: 2.38<br>Failed <sup>5</sup>                      | Ratio: 3.45<br>AA 18pt <sup>2</sup>                     | Ratio: 4.94<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 6.94<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup>      | Ratio: 9.51<br>Passed <sup>6</sup>                      | Ratio: 12.64<br>Passed <sup>6</sup>                     |
| Hex(FFE7E6) | Ratio: 16.34<br>Passed <sup>6</sup>                     |                                                         | Ratio: 9.74<br>Passed <sup>6</sup>                      | Ratio: 6.86<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 4.73<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 3.31<br>AA 18pt <sup>2</sup>                     | Ratio: 2.35<br>Failed <sup>5</sup>                           | Ratio: 1.72<br>Failed <sup>5</sup>                      | Ratio: 1.29<br>Failed <sup>5</sup>                      |
| Hex(4A3433) | Ratio: 1.68<br>Failed <sup>5</sup>                      | Ratio: 9.74<br>Passed <sup>6</sup>                      |                                                         | Ratio: 1.42<br>Failed <sup>5</sup>                      | Ratio: 2.06<br>Failed <sup>5</sup>                      | Ratio: 2.95<br>Failed <sup>5</sup>                      | Ratio: 4.14<br>AA 18pt <sup>2</sup><br>AAA 18pt <sup>4</sup> | Ratio: 5.67<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 7.54<br>Passed <sup>6</sup>                      |
| Hex(624A4A) | Ratio: 2.38<br>Failed <sup>5</sup>                      | Ratio: 6.86<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 1.42<br>Failed <sup>5</sup>                      |                                                         | Ratio: 1.45<br>Failed <sup>5</sup>                      | Ratio: 2.08<br>Failed <sup>5</sup>                      | Ratio: 2.92<br>Failed <sup>5</sup>                           | Ratio: 3.99<br>AA 18pt <sup>2</sup>                     | Ratio: 5.31<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(7B6262) | Ratio: 3.45<br>AA 18pt <sup>2</sup>                     | Ratio: 4.73<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 2.06<br>Failed <sup>5</sup>                      | Ratio: 1.45<br>Failed <sup>5</sup>                      |                                                         | Ratio: 1.43<br>Failed <sup>5</sup>                      | Ratio: 2.01<br>Failed <sup>5</sup>                           | Ratio: 2.75<br>Failed <sup>5</sup>                      | Ratio: 3.66<br>AA 18pt <sup>2</sup>                     |
| Hex(957B7A) | Ratio: 4.94<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 3.31<br>AA 18pt <sup>2</sup>                     | Ratio: 2.95<br>Failed <sup>5</sup>                      | Ratio: 2.08<br>Failed <sup>5</sup>                      | Ratio: 1.43<br>Failed <sup>5</sup>                      |                                                         | Ratio: 1.40<br>Failed <sup>5</sup>                           | Ratio: 1.92<br>Failed <sup>5</sup>                      | Ratio: 2.56<br>Failed <sup>5</sup>                      |
| Hex(B09594) | Ratio: 6.94<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 2.35<br>Failed <sup>5</sup>                      | Ratio: 4.14<br>AA 18pt <sup>2</sup>                     | Ratio: 2.92<br>Failed <sup>5</sup>                      | Ratio: 2.01<br>Failed <sup>5</sup>                      | Ratio: 1.40<br>Failed <sup>5</sup>                      |                                                              | Ratio: 1.37<br>Failed <sup>5</sup>                      | Ratio: 1.82<br>Failed <sup>5</sup>                      |
| Hex(CBB0AF) | Ratio: 9.51<br>Passed <sup>6</sup>                      | Ratio: 1.72<br>Failed <sup>5</sup>                      | Ratio: 5.67<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 3.99<br>AA 18pt <sup>2</sup>                     | Ratio: 2.75<br>Failed <sup>5</sup>                      | Ratio: 1.92<br>Failed <sup>5</sup>                      | Ratio: 1.37<br>Failed <sup>5</sup>                           |                                                         | Ratio: 1.33<br>Failed <sup>5</sup>                      |
| Hex(E7CBCA) | Ratio: 12.64<br>Passed <sup>6</sup>                     | Ratio: 1.29<br>Failed <sup>5</sup>                      | Ratio: 7.54<br>Passed <sup>6</sup>                      | Ratio: 5.31<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 3.66<br>AA 18pt <sup>2</sup>                     | Ratio: 2.56<br>Failed <sup>5</sup>                      | Ratio: 1.82<br>Failed <sup>5</sup>                           | Ratio: 1.33<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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