

# Converting Colors - WCAG Matrix

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

Hex(7E4040) Hex(FFECE8) Hex(B67170) Hex(D28B89) Hex(EFA6A3) Hex(FFC1BE) Hex(FFDDDA)

|             | Hex(7E4040)                                             | Hex(FFECE8)                                             | Hex(B67170)                         | Hex(D28B89)                        | Hex(EFA6A3)                         | Hex(FFC1BE)                                             | Hex(FFDDDA)                                             |
|-------------|---------------------------------------------------------|---------------------------------------------------------|-------------------------------------|------------------------------------|-------------------------------------|---------------------------------------------------------|---------------------------------------------------------|
| Hex(7E4040) |                                                         | Ratio: 6.83<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 2.07<br>Failed <sup>5</sup>  | Ratio: 2.89<br>Failed <sup>5</sup> | Ratio: 3.95<br>AA 18pt <sup>2</sup> | Ratio: 5.06<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 6.16<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(FFECE8) | Ratio: 6.83<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |                                                         | Ratio: 3.30<br>AA 18pt <sup>2</sup> | Ratio: 2.36<br>Failed <sup>5</sup> | Ratio: 1.73<br>Failed <sup>5</sup>  | Ratio: 1.35<br>Failed <sup>5</sup>                      | Ratio: 1.11<br>Failed <sup>5</sup>                      |
| Hex(B67170) | Ratio: 2.07<br>Failed <sup>5</sup>                      | Ratio: 3.30<br>AA 18pt <sup>2</sup>                     |                                     | Ratio: 1.40<br>Failed <sup>5</sup> | Ratio: 1.91<br>Failed <sup>5</sup>  | Ratio: 2.44<br>Failed <sup>5</sup>                      | Ratio: 2.97<br>Failed <sup>5</sup>                      |
| Hex(D28B89) | Ratio: 2.89<br>Failed <sup>5</sup>                      | Ratio: 2.36<br>Failed <sup>5</sup>                      | Ratio: 1.40<br>Failed <sup>5</sup>  |                                    | Ratio: 1.37<br>Failed <sup>5</sup>  | Ratio: 1.75<br>Failed <sup>5</sup>                      | Ratio: 2.13<br>Failed <sup>5</sup>                      |
| Hex(EFA6A3) | Ratio: 3.95<br>AA 18pt <sup>2</sup>                     | Ratio: 1.73<br>Failed <sup>5</sup>                      | Ratio: 1.91<br>Failed <sup>5</sup>  | Ratio: 1.37<br>Failed <sup>5</sup> |                                     | Ratio: 1.28<br>Failed <sup>5</sup>                      | Ratio: 1.56<br>Failed <sup>5</sup>                      |
| Hex(FFC1BE) | Ratio: 5.06<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 1.35<br>Failed <sup>5</sup>                      | Ratio: 2.44<br>Failed <sup>5</sup>  | Ratio: 1.75<br>Failed <sup>5</sup> | Ratio: 1.28<br>Failed <sup>5</sup>  |                                                         | Ratio: 1.22<br>Failed <sup>5</sup>                      |
| Hex(FFDDDA) | Ratio: 6.16<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 1.11<br>Failed <sup>5</sup>                      | Ratio: 2.97<br>Failed <sup>5</sup>  | Ratio: 2.13<br>Failed <sup>5</sup> | Ratio: 1.56<br>Failed <sup>5</sup>  | Ratio: 1.22<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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