

# Converting Colors - WCAG Matrix

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

**Hex(B57D7D) Hex(EBD5D5) Hex(B57DB5) Hex(756868) Hex(F5F5F5) Hex(757575)**

|             | Hex(B57D7D)                         | Hex(EBD5D5)                         | Hex(B57DB5)                        | Hex(756868)                                             | Hex(F5F5F5)                                             | Hex(757575)                         |
|-------------|-------------------------------------|-------------------------------------|------------------------------------|---------------------------------------------------------|---------------------------------------------------------|-------------------------------------|
| Hex(B57D7D) |                                     | Ratio: 2.42<br>Failed <sup>5</sup>  | Ratio: 1.06<br>Failed <sup>5</sup> | Ratio: 1.57<br>Failed <sup>5</sup>                      | Ratio: 3.11<br>AA 18pt <sup>2</sup>                     | Ratio: 1.36<br>Failed <sup>5</sup>  |
| Hex(EBD5D5) | Ratio: 2.42<br>Failed <sup>5</sup>  |                                     | Ratio: 2.29<br>Failed <sup>5</sup> | Ratio: 3.81<br>AA 18pt <sup>2</sup>                     | Ratio: 1.28<br>Failed <sup>5</sup>                      | Ratio: 3.29<br>AA 18pt <sup>2</sup> |
| Hex(B57DB5) | Ratio: 1.06<br>Failed <sup>5</sup>  | Ratio: 2.29<br>Failed <sup>5</sup>  |                                    | Ratio: 1.67<br>Failed <sup>5</sup>                      | Ratio: 2.93<br>Failed <sup>5</sup>                      | Ratio: 1.44<br>Failed <sup>5</sup>  |
| Hex(756868) | Ratio: 1.57<br>Failed <sup>5</sup>  | Ratio: 3.81<br>AA 18pt <sup>2</sup> | Ratio: 1.67<br>Failed <sup>5</sup> |                                                         | Ratio: 4.89<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 1.16<br>Failed <sup>5</sup>  |
| Hex(F5F5F5) | Ratio: 3.11<br>AA 18pt <sup>2</sup> | Ratio: 1.28<br>Failed <sup>5</sup>  | Ratio: 2.93<br>Failed <sup>5</sup> | Ratio: 4.89<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |                                                         | Ratio: 4.23<br>AA 18pt <sup>2</sup> |
| Hex(757575) | Ratio: 1.36<br>Failed <sup>5</sup>  | Ratio: 3.29<br>AA 18pt <sup>2</sup> | Ratio: 1.44<br>Failed <sup>5</sup> | Ratio: 1.16<br>Failed <sup>5</sup>                      | Ratio: 4.23<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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