

# Converting Colors - WCAG Matrix

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

Hex(A28E6B) Hex(D4CCBE) Hex(A26B7F) Hex(6B665E) Hex(EBEBEB) Hex(6B6B6B)

|             | Hex(A28E6B)                        | Hex(D4CCBE)                         | Hex(A26B7F)                         | Hex(6B665E)                                             | Hex(EBEBEB)                                             | Hex(6B6B6B)                         |
|-------------|------------------------------------|-------------------------------------|-------------------------------------|---------------------------------------------------------|---------------------------------------------------------|-------------------------------------|
| Hex(A28E6B) |                                    | Ratio: 1.99<br>Failed <sup>5</sup>  | Ratio: 1.34<br>Failed <sup>5</sup>  | Ratio: 1.79<br>Failed <sup>5</sup>                      | Ratio: 2.66<br>Failed <sup>5</sup>                      | Ratio: 1.68<br>Failed <sup>5</sup>  |
| Hex(D4CCBE) | Ratio: 1.99<br>Failed <sup>5</sup> |                                     | Ratio: 2.66<br>Failed <sup>5</sup>  | Ratio: 3.57<br>AA 18pt <sup>2</sup>                     | Ratio: 1.34<br>Failed <sup>5</sup>                      | Ratio: 3.34<br>AA 18pt <sup>2</sup> |
| Hex(A26B7F) | Ratio: 1.34<br>Failed <sup>5</sup> | Ratio: 2.66<br>Failed <sup>5</sup>  |                                     | Ratio: 1.34<br>Failed <sup>5</sup>                      | Ratio: 3.56<br>AA 18pt <sup>2</sup>                     | Ratio: 1.26<br>Failed <sup>5</sup>  |
| Hex(6B665E) | Ratio: 1.79<br>Failed <sup>5</sup> | Ratio: 3.57<br>AA 18pt <sup>2</sup> | Ratio: 1.34<br>Failed <sup>5</sup>  |                                                         | Ratio: 4.78<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 1.07<br>Failed <sup>5</sup>  |
| Hex(EBEBEB) | Ratio: 2.66<br>Failed <sup>5</sup> | Ratio: 1.34<br>Failed <sup>5</sup>  | Ratio: 3.56<br>AA 18pt <sup>2</sup> | Ratio: 4.78<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |                                                         | Ratio: 4.47<br>AA 18pt <sup>2</sup> |
| Hex(6B6B6B) | Ratio: 1.68<br>Failed <sup>5</sup> | Ratio: 3.34<br>AA 18pt <sup>2</sup> | Ratio: 1.26<br>Failed <sup>5</sup>  | Ratio: 1.07<br>Failed <sup>5</sup>                      | Ratio: 4.47<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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