

# Converting Colors - WCAG Matrix

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

Hex(B69E6F) Hex(EDE4D1) Hex(B66F86) Hex(787267) Hex(F7F7F7) Hex(787878)

|             | Hex(B69E6F)                        | Hex(EDE4D1)                         | Hex(B66F86)                         | Hex(787267)                         | Hex(F7F7F7)                         | Hex(787878)                         |
|-------------|------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| Hex(B69E6F) |                                    | Ratio: 2.05<br>Failed <sup>5</sup>  | Ratio: 1.45<br>Failed <sup>5</sup>  | Ratio: 1.84<br>Failed <sup>5</sup>  | Ratio: 2.42<br>Failed <sup>5</sup>  | Ratio: 1.70<br>Failed <sup>5</sup>  |
| Hex(EDE4D1) | Ratio: 2.05<br>Failed <sup>5</sup> |                                     | Ratio: 2.96<br>Failed <sup>5</sup>  | Ratio: 3.78<br>AA 18pt <sup>2</sup> | Ratio: 1.18<br>Failed <sup>5</sup>  | Ratio: 3.49<br>AA 18pt <sup>2</sup> |
| Hex(B66F86) | Ratio: 1.45<br>Failed <sup>5</sup> | Ratio: 2.96<br>Failed <sup>5</sup>  |                                     | Ratio: 1.27<br>Failed <sup>5</sup>  | Ratio: 3.50<br>AA 18pt <sup>2</sup> | Ratio: 1.18<br>Failed <sup>5</sup>  |
| Hex(787267) | Ratio: 1.84<br>Failed <sup>5</sup> | Ratio: 3.78<br>AA 18pt <sup>2</sup> | Ratio: 1.27<br>Failed <sup>5</sup>  |                                     | Ratio: 4.45<br>AA 18pt <sup>2</sup> | Ratio: 1.08<br>Failed <sup>5</sup>  |
| Hex(F7F7F7) | Ratio: 2.42<br>Failed <sup>5</sup> | Ratio: 1.18<br>Failed <sup>5</sup>  | Ratio: 3.50<br>AA 18pt <sup>2</sup> | Ratio: 4.45<br>AA 18pt <sup>2</sup> |                                     | Ratio: 4.12<br>AA 18pt <sup>2</sup> |
| Hex(787878) | Ratio: 1.70<br>Failed <sup>5</sup> | Ratio: 3.49<br>AA 18pt <sup>2</sup> | Ratio: 1.18<br>Failed <sup>5</sup>  | Ratio: 1.08<br>Failed <sup>5</sup>  | Ratio: 4.12<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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