

# Converting Colors - WCAG Matrix

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

Hex(EFEFEE) Hex(FFFFFFC) Hex(EEEFEE) Hex(787877) Hex(B8B800) Hex(383800)

| Hex(EFEFEE)  |                                     | Ratio: 1.15<br>Failed <sup>5</sup>  | Ratio: 1.00<br>Failed <sup>5</sup>  | Ratio: 3.84<br>AA 18pt <sup>2</sup> | Ratio: 1.84<br>Failed <sup>5</sup>                      | Ratio: 10.53<br>Passed <sup>6</sup>                     |
|--------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|---------------------------------------------------------|---------------------------------------------------------|
| Hex(FFFFFFC) | Ratio: 1.15<br>Failed <sup>5</sup>  |                                     | Ratio: 1.15<br>Failed <sup>5</sup>  | Ratio: 4.41<br>AA 18pt <sup>2</sup> | Ratio: 2.12<br>Failed <sup>5</sup>                      | Ratio: 12.09<br>Passed <sup>6</sup>                     |
| Hex(EEEFEE)  | Ratio: 1.00<br>Failed <sup>5</sup>  | Ratio: 1.15<br>Failed <sup>5</sup>  |                                     | Ratio: 3.83<br>AA 18pt <sup>2</sup> | Ratio: 1.84<br>Failed <sup>5</sup>                      | Ratio: 10.51<br>Passed <sup>6</sup>                     |
| Hex(787877)  | Ratio: 3.84<br>AA 18pt <sup>2</sup> | Ratio: 4.41<br>AA 18pt <sup>2</sup> | Ratio: 3.83<br>AA 18pt <sup>2</sup> |                                     | Ratio: 2.08<br>Failed <sup>5</sup>                      | Ratio: 2.74<br>Failed <sup>5</sup>                      |
| Hex(B8B800)  | Ratio: 1.84<br>Failed <sup>5</sup>  | Ratio: 2.12<br>Failed <sup>5</sup>  | Ratio: 1.84<br>Failed <sup>5</sup>  | Ratio: 2.08<br>Failed <sup>5</sup>  |                                                         | Ratio: 5.71<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(383800)  | Ratio: 10.53<br>Passed <sup>6</sup> | Ratio: 12.09<br>Passed <sup>6</sup> | Ratio: 10.51<br>Passed <sup>6</sup> | Ratio: 2.74<br>Failed <sup>5</sup>  | Ratio: 5.71<br>AA <sup>1</sup><br>AAA 18pt <sup>4</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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