

# Converting Colors - WCAG Matrix

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

Hex(EBE0E0) Hex(FFF0F0) Hex(EBE6E0) Hex(756D6D) Hex(B50000) Hex(360000)

|             | Hex(EBE0E0)                                             | Hex(FFF0F0)                                             | Hex(EBE6E0)                                             | Hex(756D6D)                                             | Hex(B50000)                                             | Hex(360000)                         |
|-------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|-------------------------------------|
| Hex(EBE0E0) |                                                         | Ratio: 1.17<br>Failed <sup>5</sup>                      | Ratio: 1.04<br>Failed <sup>5</sup>                      | Ratio: 3.91<br>AA 18pt <sup>2</sup>                     | Ratio: 5.49<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 14.07<br>Passed <sup>6</sup> |
| Hex(FFF0F0) | Ratio: 1.17<br>Failed <sup>5</sup>                      |                                                         | Ratio: 1.12<br>Failed <sup>5</sup>                      | Ratio: 4.56<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 6.40<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 16.40<br>Passed <sup>6</sup> |
| Hex(EBE6E0) | Ratio: 1.04<br>Failed <sup>5</sup>                      | Ratio: 1.12<br>Failed <sup>5</sup>                      |                                                         | Ratio: 4.06<br>AA 18pt <sup>2</sup>                     | Ratio: 5.71<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 14.63<br>Passed <sup>6</sup> |
| Hex(756D6D) | Ratio: 3.91<br>AA 18pt <sup>2</sup>                     | Ratio: 4.56<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 4.06<br>AA 18pt <sup>2</sup>                     |                                                         | Ratio: 1.40<br>Failed <sup>5</sup>                      | Ratio: 3.60<br>AA 18pt <sup>2</sup> |
| Hex(B50000) | Ratio: 5.49<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 6.40<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 5.71<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 1.40<br>Failed <sup>5</sup>                      |                                                         | Ratio: 2.56<br>Failed <sup>5</sup>  |
| Hex(360000) | Ratio: 14.07<br>Passed <sup>6</sup>                     | Ratio: 16.40<br>Passed <sup>6</sup>                     | Ratio: 14.63<br>Passed <sup>6</sup>                     | Ratio: 3.60<br>AA 18pt <sup>2</sup>                     | Ratio: 2.56<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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