

# Converting Colors - WCAG Matrix

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

Hex(E37D7D) Hex(FFDEDE) Hex(E37DE3) Hex(806B6B) Hex(000000) Hex(808080)

|             | Hex(E37D7D)                        | Hex(FFDEDE)                         | Hex(E37DE3)                        | Hex(806B6B)                         | Hex(000000)                                             | Hex(808080)                                             |
|-------------|------------------------------------|-------------------------------------|------------------------------------|-------------------------------------|---------------------------------------------------------|---------------------------------------------------------|
| Hex(E37D7D) |                                    | Ratio: 2.24<br>Failed <sup>5</sup>  | Ratio: 1.11<br>Failed <sup>5</sup> | Ratio: 1.77<br>Failed <sup>5</sup>  | Ratio: 7.50<br>Passed <sup>6</sup>                      | Ratio: 1.41<br>Failed <sup>5</sup>                      |
| Hex(FFDEDE) | Ratio: 2.24<br>Failed <sup>5</sup> |                                     | Ratio: 2.02<br>Failed <sup>5</sup> | Ratio: 3.96<br>AA 18pt <sup>2</sup> | Ratio: 16.76<br>Passed <sup>6</sup>                     | Ratio: 3.15<br>AA 18pt <sup>2</sup>                     |
| Hex(E37DE3) | Ratio: 1.11<br>Failed <sup>5</sup> | Ratio: 2.02<br>Failed <sup>5</sup>  |                                    | Ratio: 1.96<br>Failed <sup>5</sup>  | Ratio: 8.31<br>Passed <sup>6</sup>                      | Ratio: 1.56<br>Failed <sup>5</sup>                      |
| Hex(806B6B) | Ratio: 1.77<br>Failed <sup>5</sup> | Ratio: 3.96<br>AA 18pt <sup>2</sup> | Ratio: 1.96<br>Failed <sup>5</sup> |                                     | Ratio: 4.23<br>AA 18pt <sup>2</sup>                     | Ratio: 1.26<br>Failed <sup>5</sup>                      |
| Hex(000000) | Ratio: 7.50<br>Passed <sup>6</sup> | Ratio: 16.76<br>Passed <sup>6</sup> | Ratio: 8.31<br>Passed <sup>6</sup> | Ratio: 4.23<br>AA 18pt <sup>2</sup> |                                                         | Ratio: 5.32<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(808080) | Ratio: 1.41<br>Failed <sup>5</sup> | Ratio: 3.15<br>AA 18pt <sup>2</sup> | Ratio: 1.56<br>Failed <sup>5</sup> | Ratio: 1.26<br>Failed <sup>5</sup>  | Ratio: 5.32<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.

This PDF was generated on [convertingcolors.com](https://convertingcolors.com).