

# Converting Colors - WCAG Matrix

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

Hex(C57D7E) Hex(A86465) Hex(8D4B4D) Hex(723336) Hex(571C21) Hex(3E030B) Hex(000000)

|             | Hex(C57D7E)                                             | Hex(A86465)                                             | Hex(8D4B4D)                         | Hex(723336)                        | Hex(571C21)                         | Hex(3E030B)                                             | Hex(000000)                                             |
|-------------|---------------------------------------------------------|---------------------------------------------------------|-------------------------------------|------------------------------------|-------------------------------------|---------------------------------------------------------|---------------------------------------------------------|
| Hex(C57D7E) |                                                         | Ratio: 1.41<br>Failed <sup>5</sup>                      | Ratio: 2.04<br>Failed <sup>5</sup>  | Ratio: 2.95<br>Failed <sup>5</sup> | Ratio: 4.15<br>AA 18pt <sup>2</sup> | Ratio: 5.41<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 6.61<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(A86465) | Ratio: 1.41<br>Failed <sup>5</sup>                      |                                                         | Ratio: 1.44<br>Failed <sup>5</sup>  | Ratio: 2.09<br>Failed <sup>5</sup> | Ratio: 2.93<br>Failed <sup>5</sup>  | Ratio: 3.82<br>AA 18pt <sup>2</sup>                     | Ratio: 4.68<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(8D4B4D) | Ratio: 2.04<br>Failed <sup>5</sup>                      | Ratio: 1.44<br>Failed <sup>5</sup>                      |                                     | Ratio: 1.45<br>Failed <sup>5</sup> | Ratio: 2.04<br>Failed <sup>5</sup>  | Ratio: 2.66<br>Failed <sup>5</sup>                      | Ratio: 3.25<br>AA 18pt <sup>2</sup>                     |
| Hex(723336) | Ratio: 2.95<br>Failed <sup>5</sup>                      | Ratio: 2.09<br>Failed <sup>5</sup>                      | Ratio: 1.45<br>Failed <sup>5</sup>  |                                    | Ratio: 1.41<br>Failed <sup>5</sup>  | Ratio: 1.83<br>Failed <sup>5</sup>                      | Ratio: 2.24<br>Failed <sup>5</sup>                      |
| Hex(571C21) | Ratio: 4.15<br>AA 18pt <sup>2</sup>                     | Ratio: 2.93<br>Failed <sup>5</sup>                      | Ratio: 2.04<br>Failed <sup>5</sup>  | Ratio: 1.41<br>Failed <sup>5</sup> |                                     | Ratio: 1.30<br>Failed <sup>5</sup>                      | Ratio: 1.59<br>Failed <sup>5</sup>                      |
| Hex(3E030B) | Ratio: 5.41<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 3.82<br>AA 18pt <sup>2</sup>                     | Ratio: 2.66<br>Failed <sup>5</sup>  | Ratio: 1.83<br>Failed <sup>5</sup> | Ratio: 1.30<br>Failed <sup>5</sup>  |                                                         | Ratio: 1.22<br>Failed <sup>5</sup>                      |
| Hex(000000) | Ratio: 6.61<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 4.68<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 3.25<br>AA 18pt <sup>2</sup> | Ratio: 2.24<br>Failed <sup>5</sup> | Ratio: 1.59<br>Failed <sup>5</sup>  | Ratio: 1.22<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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