

# Converting Colors - WCAG Matrix

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

**Hex(A998A3) Hex(DBC3D3) Hex(A9989B) Hex(544C51) Hex(940064) Hex(14000E)**

|             | Hex(A998A3)                         | Hex(DBC3D3)                                             | Hex(A9989B)                         | Hex(544C51)                                             | Hex(940064)                                             | Hex(14000E)                         |
|-------------|-------------------------------------|---------------------------------------------------------|-------------------------------------|---------------------------------------------------------|---------------------------------------------------------|-------------------------------------|
| Hex(A998A3) |                                     | Ratio: 1.66<br>Failed <sup>5</sup>                      | Ratio: 1.01<br>Failed <sup>5</sup>  | Ratio: 3.05<br>AA 18pt <sup>2</sup>                     | Ratio: 3.15<br>AA 18pt <sup>2</sup>                     | Ratio: 7.44<br>Passed <sup>6</sup>  |
| Hex(DBC3D3) | Ratio: 1.66<br>Failed <sup>5</sup>  |                                                         | Ratio: 1.67<br>Failed <sup>5</sup>  | Ratio: 5.04<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 5.22<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 12.32<br>Passed <sup>6</sup> |
| Hex(A9989B) | Ratio: 1.01<br>Failed <sup>5</sup>  | Ratio: 1.67<br>Failed <sup>5</sup>                      |                                     | Ratio: 3.02<br>AA 18pt <sup>2</sup>                     | Ratio: 3.13<br>AA 18pt <sup>2</sup>                     | Ratio: 7.39<br>Passed <sup>6</sup>  |
| Hex(544C51) | Ratio: 3.05<br>AA 18pt <sup>2</sup> | Ratio: 5.04<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 3.02<br>AA 18pt <sup>2</sup> |                                                         | Ratio: 1.04<br>Failed <sup>5</sup>                      | Ratio: 2.44<br>Failed <sup>5</sup>  |
| Hex(940064) | Ratio: 3.15<br>AA 18pt <sup>2</sup> | Ratio: 5.22<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 3.13<br>AA 18pt <sup>2</sup> | Ratio: 1.04<br>Failed <sup>5</sup>                      |                                                         | Ratio: 2.36<br>Failed <sup>5</sup>  |
| Hex(14000E) | Ratio: 7.44<br>Passed <sup>6</sup>  | Ratio: 12.32<br>Passed <sup>6</sup>                     | Ratio: 7.39<br>Passed <sup>6</sup>  | Ratio: 2.44<br>Failed <sup>5</sup>                      | Ratio: 2.36<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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