

# Converting Colors - WCAG Matrix

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

Hex(A7726F) Hex(D98782) Hex(A78E6F) Hex(544C4C) Hex(940800) Hex(140100)

|             | Hex(A7726F)                                             | Hex(D98782)                         | Hex(A78E6F)                                             | Hex(544C4C)                         | Hex(940800)                         | Hex(140100)                                             |
|-------------|---------------------------------------------------------|-------------------------------------|---------------------------------------------------------|-------------------------------------|-------------------------------------|---------------------------------------------------------|
| Hex(A7726F) |                                                         | Ratio: 1.47<br>Failed <sup>5</sup>  | Ratio: 1.28<br>Failed <sup>5</sup>                      | Ratio: 2.10<br>Failed <sup>5</sup>  | Ratio: 2.30<br>Failed <sup>5</sup>  | Ratio: 5.11<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(D98782) | Ratio: 1.47<br>Failed <sup>5</sup>                      |                                     | Ratio: 1.15<br>Failed <sup>5</sup>                      | Ratio: 3.08<br>AA 18pt <sup>2</sup> | Ratio: 3.37<br>AA 18pt <sup>2</sup> | Ratio: 7.48<br>Passed <sup>6</sup>                      |
| Hex(A78E6F) | Ratio: 1.28<br>Failed <sup>5</sup>                      | Ratio: 1.15<br>Failed <sup>5</sup>  |                                                         | Ratio: 2.68<br>Failed <sup>5</sup>  | Ratio: 2.94<br>Failed <sup>5</sup>  | Ratio: 6.52<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(544C4C) | Ratio: 2.10<br>Failed <sup>5</sup>                      | Ratio: 3.08<br>AA 18pt <sup>2</sup> | Ratio: 2.68<br>Failed <sup>5</sup>                      |                                     | Ratio: 1.10<br>Failed <sup>5</sup>  | Ratio: 2.43<br>Failed <sup>5</sup>                      |
| Hex(940800) | Ratio: 2.30<br>Failed <sup>5</sup>                      | Ratio: 3.37<br>AA 18pt <sup>2</sup> | Ratio: 2.94<br>Failed <sup>5</sup>                      | Ratio: 1.10<br>Failed <sup>5</sup>  |                                     | Ratio: 2.22<br>Failed <sup>5</sup>                      |
| Hex(140100) | Ratio: 5.11<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 7.48<br>Passed <sup>6</sup>  | Ratio: 6.52<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 2.43<br>Failed <sup>5</sup>  | Ratio: 2.22<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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