

# Converting Colors - WCAG Matrix

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

Hex(8A7A7F) Hex(B3ADAF) Hex(857A8A) Hex(595657) Hex(D9D9D9) Hex(595959)

|             | Hex(8A7A7F)                        | Hex(B3ADAF)                         | Hex(857A8A)                        | Hex(595657)                                             | Hex(D9D9D9)                                             | Hex(595959)                                             |
|-------------|------------------------------------|-------------------------------------|------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|
| Hex(8A7A7F) |                                    | Ratio: 1.84<br>Failed <sup>5</sup>  | Ratio: 1.00<br>Failed <sup>5</sup> | Ratio: 1.79<br>Failed <sup>5</sup>                      | Ratio: 2.88<br>Failed <sup>5</sup>                      | Ratio: 1.72<br>Failed <sup>5</sup>                      |
| Hex(B3ADAF) | Ratio: 1.84<br>Failed <sup>5</sup> |                                     | Ratio: 1.85<br>Failed <sup>5</sup> | Ratio: 3.29<br>AA 18pt <sup>2</sup>                     | Ratio: 1.56<br>Failed <sup>5</sup>                      | Ratio: 3.17<br>AA 18pt <sup>2</sup>                     |
| Hex(857A8A) | Ratio: 1.00<br>Failed <sup>5</sup> | Ratio: 1.85<br>Failed <sup>5</sup>  |                                    | Ratio: 1.78<br>Failed <sup>5</sup>                      | Ratio: 2.89<br>Failed <sup>5</sup>                      | Ratio: 1.72<br>Failed <sup>5</sup>                      |
| Hex(595657) | Ratio: 1.79<br>Failed <sup>5</sup> | Ratio: 3.29<br>AA 18pt <sup>2</sup> | Ratio: 1.78<br>Failed <sup>5</sup> |                                                         | Ratio: 5.14<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 1.04<br>Failed <sup>5</sup>                      |
| Hex(D9D9D9) | Ratio: 2.88<br>Failed <sup>5</sup> | Ratio: 1.56<br>Failed <sup>5</sup>  | Ratio: 2.89<br>Failed <sup>5</sup> | Ratio: 5.14<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |                                                         | Ratio: 4.96<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(595959) | Ratio: 1.72<br>Failed <sup>5</sup> | Ratio: 3.17<br>AA 18pt <sup>2</sup> | Ratio: 1.72<br>Failed <sup>5</sup> | Ratio: 1.04<br>Failed <sup>5</sup>                      | Ratio: 4.96<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.

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