

# Converting Colors - WCAG Matrix

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

**Hex(A894A1) Hex(DBD3D8) Hex(9B94A8) Hex(6E686C) Hex(EDEDED) Hex(6E6E6E)**

|             | Hex(A894A1)                        | Hex(DBD3D8)                         | Hex(9B94A8)                        | Hex(6E686C)                                             | Hex(EDEDED)                                             | Hex(6E6E6E)                         |
|-------------|------------------------------------|-------------------------------------|------------------------------------|---------------------------------------------------------|---------------------------------------------------------|-------------------------------------|
| Hex(A894A1) |                                    | Ratio: 1.93<br>Failed <sup>5</sup>  | Ratio: 1.03<br>Failed <sup>5</sup> | Ratio: 1.92<br>Failed <sup>5</sup>                      | Ratio: 2.42<br>Failed <sup>5</sup>                      | Ratio: 1.80<br>Failed <sup>5</sup>  |
| Hex(DBD3D8) | Ratio: 1.93<br>Failed <sup>5</sup> |                                     | Ratio: 1.99<br>Failed <sup>5</sup> | Ratio: 3.71<br>AA 18pt <sup>2</sup>                     | Ratio: 1.25<br>Failed <sup>5</sup>                      | Ratio: 3.48<br>AA 18pt <sup>2</sup> |
| Hex(9B94A8) | Ratio: 1.03<br>Failed <sup>5</sup> | Ratio: 1.99<br>Failed <sup>5</sup>  |                                    | Ratio: 1.86<br>Failed <sup>5</sup>                      | Ratio: 2.49<br>Failed <sup>5</sup>                      | Ratio: 1.75<br>Failed <sup>5</sup>  |
| Hex(6E686C) | Ratio: 1.92<br>Failed <sup>5</sup> | Ratio: 3.71<br>AA 18pt <sup>2</sup> | Ratio: 1.86<br>Failed <sup>5</sup> |                                                         | Ratio: 4.65<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 1.07<br>Failed <sup>5</sup>  |
| Hex(EDEDED) | Ratio: 2.42<br>Failed <sup>5</sup> | Ratio: 1.25<br>Failed <sup>5</sup>  | Ratio: 2.49<br>Failed <sup>5</sup> | Ratio: 4.65<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |                                                         | Ratio: 4.36<br>AA 18pt <sup>2</sup> |
| Hex(6E6E6E) | Ratio: 1.80<br>Failed <sup>5</sup> | Ratio: 3.48<br>AA 18pt <sup>2</sup> | Ratio: 1.75<br>Failed <sup>5</sup> | Ratio: 1.07<br>Failed <sup>5</sup>                      | Ratio: 4.36<br>AA 18pt <sup>2</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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