

# Converting Colors - WCAG Matrix

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

Hex(5C5D7D) Hex(9697A3) Hex(5C7D7C) Hex(494A52) Hex(D1D1D1) Hex(525252)

|             | Hex(5C5D7D)                         | Hex(9697A3)                         | Hex(5C7D7C)                        | Hex(494A52)                                             | Hex(D1D1D1)                                             | Hex(525252)                                             |
|-------------|-------------------------------------|-------------------------------------|------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|
| Hex(5C5D7D) |                                     | Ratio: 2.19<br>Failed <sup>5</sup>  | Ratio: 1.41<br>Failed <sup>5</sup> | Ratio: 1.39<br>Failed <sup>5</sup>                      | Ratio: 4.15<br>AA 18pt <sup>2</sup>                     | Ratio: 1.23<br>Failed <sup>5</sup>                      |
| Hex(9697A3) | Ratio: 2.19<br>Failed <sup>5</sup>  |                                     | Ratio: 1.55<br>Failed <sup>5</sup> | Ratio: 3.04<br>AA 18pt <sup>2</sup>                     | Ratio: 1.90<br>Failed <sup>5</sup>                      | Ratio: 2.70<br>Failed <sup>5</sup>                      |
| Hex(5C7D7C) | Ratio: 1.41<br>Failed <sup>5</sup>  | Ratio: 1.55<br>Failed <sup>5</sup>  |                                    | Ratio: 1.96<br>Failed <sup>5</sup>                      | Ratio: 2.94<br>Failed <sup>5</sup>                      | Ratio: 1.74<br>Failed <sup>5</sup>                      |
| Hex(494A52) | Ratio: 1.39<br>Failed <sup>5</sup>  | Ratio: 3.04<br>AA 18pt <sup>2</sup> | Ratio: 1.96<br>Failed <sup>5</sup> |                                                         | Ratio: 5.77<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 1.13<br>Failed <sup>5</sup>                      |
| Hex(D1D1D1) | Ratio: 4.15<br>AA 18pt <sup>2</sup> | Ratio: 1.90<br>Failed <sup>5</sup>  | Ratio: 2.94<br>Failed <sup>5</sup> | Ratio: 5.77<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |                                                         | Ratio: 5.12<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(525252) | Ratio: 1.23<br>Failed <sup>5</sup>  | Ratio: 2.70<br>Failed <sup>5</sup>  | Ratio: 1.74<br>Failed <sup>5</sup> | Ratio: 1.13<br>Failed <sup>5</sup>                      | Ratio: 5.12<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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