

# Converting Colors - WCAG Matrix

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

Hex(546378) Hex(8E939C) Hex(547869) Hex(464A4F) Hex(CFCFCF) Hex(4F4F4F)

|             | Hex(546378)                         | Hex(8E939C)                        | Hex(547869)                         | Hex(464A4F)                                             | Hex(CFCFCF)                                             | Hex(4F4F4F)                                             |
|-------------|-------------------------------------|------------------------------------|-------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|
| Hex(546378) |                                     | Ratio: 1.98<br>Failed <sup>5</sup> | Ratio: 1.24<br>Failed <sup>5</sup>  | Ratio: 1.46<br>Failed <sup>5</sup>                      | Ratio: 3.93<br>AA 18pt <sup>2</sup>                     | Ratio: 1.34<br>Failed <sup>5</sup>                      |
| Hex(8E939C) | Ratio: 1.98<br>Failed <sup>5</sup>  |                                    | Ratio: 1.59<br>Failed <sup>5</sup>  | Ratio: 2.89<br>Failed <sup>5</sup>                      | Ratio: 1.98<br>Failed <sup>5</sup>                      | Ratio: 2.65<br>Failed <sup>5</sup>                      |
| Hex(547869) | Ratio: 1.24<br>Failed <sup>5</sup>  | Ratio: 1.59<br>Failed <sup>5</sup> |                                     | Ratio: 1.81<br>Failed <sup>5</sup>                      | Ratio: 3.16<br>AA 18pt <sup>2</sup>                     | Ratio: 1.66<br>Failed <sup>5</sup>                      |
| Hex(464A4F) | Ratio: 1.46<br>Failed <sup>5</sup>  | Ratio: 2.89<br>Failed <sup>5</sup> | Ratio: 1.81<br>Failed <sup>5</sup>  |                                                         | Ratio: 5.73<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 1.09<br>Failed <sup>5</sup>                      |
| Hex(CFCFCF) | Ratio: 3.93<br>AA 18pt <sup>2</sup> | Ratio: 1.98<br>Failed <sup>5</sup> | Ratio: 3.16<br>AA 18pt <sup>2</sup> | Ratio: 5.73<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |                                                         | Ratio: 5.26<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(4F4F4F) | Ratio: 1.34<br>Failed <sup>5</sup>  | Ratio: 2.65<br>Failed <sup>5</sup> | Ratio: 1.66<br>Failed <sup>5</sup>  | Ratio: 1.09<br>Failed <sup>5</sup>                      | Ratio: 5.26<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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