

# Converting Colors - WCAG Matrix

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

**Hex(780065) Hex(9C6D94) Hex(120078) Hex(4F334A) Hex(CFCFCF) Hex(4F4F4F)**

|             | Hex(780065)                                             | Hex(9C6D94)                         | Hex(120078)                         | Hex(4F334A)                        | Hex(CFCFCF)                                             | Hex(4F4F4F)                                             |
|-------------|---------------------------------------------------------|-------------------------------------|-------------------------------------|------------------------------------|---------------------------------------------------------|---------------------------------------------------------|
| Hex(780065) |                                                         | Ratio: 2.53<br>Failed <sup>5</sup>  | Ratio: 1.53<br>Failed <sup>5</sup>  | Ratio: 1.04<br>Failed <sup>5</sup> | Ratio: 6.79<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 1.29<br>Failed <sup>5</sup>                      |
| Hex(9C6D94) | Ratio: 2.53<br>Failed <sup>5</sup>                      |                                     | Ratio: 3.88<br>AA 18pt <sup>2</sup> | Ratio: 2.64<br>Failed <sup>5</sup> | Ratio: 2.68<br>Failed <sup>5</sup>                      | Ratio: 1.96<br>Failed <sup>5</sup>                      |
| Hex(120078) | Ratio: 1.53<br>Failed <sup>5</sup>                      | Ratio: 3.88<br>AA 18pt <sup>2</sup> |                                     | Ratio: 1.47<br>Failed <sup>5</sup> | Ratio: 10.39<br>Passed <sup>6</sup>                     | Ratio: 1.98<br>Failed <sup>5</sup>                      |
| Hex(4F334A) | Ratio: 1.04<br>Failed <sup>5</sup>                      | Ratio: 2.64<br>Failed <sup>5</sup>  | Ratio: 1.47<br>Failed <sup>5</sup>  |                                    | Ratio: 7.08<br>Passed <sup>6</sup>                      | Ratio: 1.35<br>Failed <sup>5</sup>                      |
| Hex(CFCFCF) | Ratio: 6.79<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 2.68<br>Failed <sup>5</sup>  | Ratio: 10.39<br>Passed <sup>6</sup> | Ratio: 7.08<br>Passed <sup>6</sup> |                                                         | Ratio: 5.26<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(4F4F4F) | Ratio: 1.29<br>Failed <sup>5</sup>                      | Ratio: 1.96<br>Failed <sup>5</sup>  | Ratio: 1.98<br>Failed <sup>5</sup>  | Ratio: 1.35<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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