

# Converting Colors - WCAG Matrix

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

Hex(98678C) Hex(C779B4) Hex(739867) Hex(4D454B) Hex(8C0069) Hex(0D000A)

|             | Hex(98678C)                                             | Hex(C779B4)                                             | Hex(739867)                                             | Hex(4D454B)                         | Hex(8C0069)                        | Hex(0D000A)                                             |
|-------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|-------------------------------------|------------------------------------|---------------------------------------------------------|
| Hex(98678C) |                                                         | Ratio: 1.47<br>Failed <sup>5</sup>                      | Ratio: 1.38<br>Failed <sup>5</sup>                      | Ratio: 2.05<br>Failed <sup>5</sup>  | Ratio: 2.01<br>Failed <sup>5</sup> | Ratio: 4.56<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(C779B4) | Ratio: 1.47<br>Failed <sup>5</sup>                      |                                                         | Ratio: 1.06<br>Failed <sup>5</sup>                      | Ratio: 3.01<br>AA 18pt <sup>2</sup> | Ratio: 2.94<br>Failed <sup>5</sup> | Ratio: 6.68<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(739867) | Ratio: 1.38<br>Failed <sup>5</sup>                      | Ratio: 1.06<br>Failed <sup>5</sup>                      |                                                         | Ratio: 2.83<br>Failed <sup>5</sup>  | Ratio: 2.77<br>Failed <sup>5</sup> | Ratio: 6.28<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(4D454B) | Ratio: 2.05<br>Failed <sup>5</sup>                      | Ratio: 3.01<br>AA 18pt <sup>2</sup>                     | Ratio: 2.83<br>Failed <sup>5</sup>                      |                                     | Ratio: 1.02<br>Failed <sup>5</sup> | Ratio: 2.22<br>Failed <sup>5</sup>                      |
| Hex(8C0069) | Ratio: 2.01<br>Failed <sup>5</sup>                      | Ratio: 2.94<br>Failed <sup>5</sup>                      | Ratio: 2.77<br>Failed <sup>5</sup>                      | Ratio: 1.02<br>Failed <sup>5</sup>  |                                    | Ratio: 2.27<br>Failed <sup>5</sup>                      |
| Hex(0D000A) | Ratio: 4.56<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 6.68<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 6.28<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 2.22<br>Failed <sup>5</sup>  | Ratio: 2.27<br>Failed <sup>5</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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