

# Converting Colors - WCAG Matrix

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

Hex(5F665C) Hex(FFFFFF) Hex(91998E) Hex(ACB4A8) Hex(C7CFC4) Hex(E3EBE0) Hex(FFFFFFC)

|              | Hex(5F665C)                                             | Hex(FFFFFF)                                             | Hex(91998E)                        | Hex(ACB4A8)                        | Hex(C7CFC4)                         | Hex(E3EBE0)                                             | Hex(FFFFFFC)                                            |
|--------------|---------------------------------------------------------|---------------------------------------------------------|------------------------------------|------------------------------------|-------------------------------------|---------------------------------------------------------|---------------------------------------------------------|
| Hex(5F665C)  |                                                         | Ratio: 5.93<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 2.02<br>Failed <sup>5</sup> | Ratio: 2.78<br>Failed <sup>5</sup> | Ratio: 3.71<br>AA 18pt <sup>2</sup> | Ratio: 4.86<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 5.92<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(FFFFFF)  | Ratio: 5.93<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |                                                         | Ratio: 2.94<br>Failed <sup>5</sup> | Ratio: 2.13<br>Failed <sup>5</sup> | Ratio: 1.60<br>Failed <sup>5</sup>  | Ratio: 1.22<br>Failed <sup>5</sup>                      | Ratio: 1.00<br>Failed <sup>5</sup>                      |
| Hex(91998E)  | Ratio: 2.02<br>Failed <sup>5</sup>                      | Ratio: 2.94<br>Failed <sup>5</sup>                      |                                    | Ratio: 1.38<br>Failed <sup>5</sup> | Ratio: 1.84<br>Failed <sup>5</sup>  | Ratio: 2.41<br>Failed <sup>5</sup>                      | Ratio: 2.93<br>Failed <sup>5</sup>                      |
| Hex(ACB4A8)  | Ratio: 2.78<br>Failed <sup>5</sup>                      | Ratio: 2.13<br>Failed <sup>5</sup>                      | Ratio: 1.38<br>Failed <sup>5</sup> |                                    | Ratio: 1.34<br>Failed <sup>5</sup>  | Ratio: 1.75<br>Failed <sup>5</sup>                      | Ratio: 2.13<br>Failed <sup>5</sup>                      |
| Hex(C7CFC4)  | Ratio: 3.71<br>AA 18pt <sup>2</sup>                     | Ratio: 1.60<br>Failed <sup>5</sup>                      | Ratio: 1.84<br>Failed <sup>5</sup> | Ratio: 1.34<br>Failed <sup>5</sup> |                                     | Ratio: 1.31<br>Failed <sup>5</sup>                      | Ratio: 1.59<br>Failed <sup>5</sup>                      |
| Hex(E3EBE0)  | Ratio: 4.86<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 1.22<br>Failed <sup>5</sup>                      | Ratio: 2.41<br>Failed <sup>5</sup> | Ratio: 1.75<br>Failed <sup>5</sup> | Ratio: 1.31<br>Failed <sup>5</sup>  |                                                         | Ratio: 1.22<br>Failed <sup>5</sup>                      |
| Hex(FFFFFFC) | Ratio: 5.92<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 1.00<br>Failed <sup>5</sup>                      | Ratio: 2.93<br>Failed <sup>5</sup> | Ratio: 2.13<br>Failed <sup>5</sup> | Ratio: 1.59<br>Failed <sup>5</sup>  | Ratio: 1.22<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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