

# Converting Colors - WCAG Matrix

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

Hex(59565F) Hex(FFFDFF) Hex(8B8792) Hex(A5A1AC) Hex(C0BCC7) Hex(DCD8E3) Hex(F8F5FF)

|             | Hex(59565F)                                             | Hex(FFFDFF)                         | Hex(8B8792)                         | Hex(A5A1AC)                        | Hex(C0BCC7)                         | Hex(DCD8E3)                                             | Hex(F8F5FF)                                             |
|-------------|---------------------------------------------------------|-------------------------------------|-------------------------------------|------------------------------------|-------------------------------------|---------------------------------------------------------|---------------------------------------------------------|
| Hex(59565F) |                                                         | Ratio: 7.10<br>Passed <sup>6</sup>  | Ratio: 2.05<br>Failed <sup>5</sup>  | Ratio: 2.84<br>Failed <sup>5</sup> | Ratio: 3.85<br>AA 18pt <sup>2</sup> | Ratio: 5.13<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 6.67<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(FFFDFF) | Ratio: 7.10<br>Passed <sup>6</sup>                      |                                     | Ratio: 3.47<br>AA 18pt <sup>2</sup> | Ratio: 2.50<br>Failed <sup>5</sup> | Ratio: 1.84<br>Failed <sup>5</sup>  | Ratio: 1.39<br>Failed <sup>5</sup>                      | Ratio: 1.06<br>Failed <sup>5</sup>                      |
| Hex(8B8792) | Ratio: 2.05<br>Failed <sup>5</sup>                      | Ratio: 3.47<br>AA 18pt <sup>2</sup> |                                     | Ratio: 1.39<br>Failed <sup>5</sup> | Ratio: 1.88<br>Failed <sup>5</sup>  | Ratio: 2.50<br>Failed <sup>5</sup>                      | Ratio: 3.26<br>AA 18pt <sup>2</sup>                     |
| Hex(A5A1AC) | Ratio: 2.84<br>Failed <sup>5</sup>                      | Ratio: 2.50<br>Failed <sup>5</sup>  | Ratio: 1.39<br>Failed <sup>5</sup>  |                                    | Ratio: 1.36<br>Failed <sup>5</sup>  | Ratio: 1.81<br>Failed <sup>5</sup>                      | Ratio: 2.35<br>Failed <sup>5</sup>                      |
| Hex(C0BCC7) | Ratio: 3.85<br>AA 18pt <sup>2</sup>                     | Ratio: 1.84<br>Failed <sup>5</sup>  | Ratio: 1.88<br>Failed <sup>5</sup>  | Ratio: 1.36<br>Failed <sup>5</sup> |                                     | Ratio: 1.33<br>Failed <sup>5</sup>                      | Ratio: 1.73<br>Failed <sup>5</sup>                      |
| Hex(DCD8E3) | Ratio: 5.13<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 1.39<br>Failed <sup>5</sup>  | Ratio: 2.50<br>Failed <sup>5</sup>  | Ratio: 1.81<br>Failed <sup>5</sup> | Ratio: 1.33<br>Failed <sup>5</sup>  |                                                         | Ratio: 1.30<br>Failed <sup>5</sup>                      |
| Hex(F8F5FF) | Ratio: 6.67<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 1.06<br>Failed <sup>5</sup>  | Ratio: 3.26<br>AA 18pt <sup>2</sup> | Ratio: 2.35<br>Failed <sup>5</sup> | Ratio: 1.73<br>Failed <sup>5</sup>  | Ratio: 1.30<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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