

# Converting Colors - WCAG Matrix

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

Hex(7B5873) Hex(FFFFFF) Hex(B08AA7) Hex(CCA5C2) Hex(E8C0DE) Hex(FFDCFB) Hex(FFF9FF)

|             | Hex(7B5873)                                             | Hex(FFFFFF)                                             | Hex(B08AA7)                        | Hex(CCA5C2)                        | Hex(E8C0DE)                         | Hex(FFDCFB)                                             | Hex(FFF9FF)                                             |
|-------------|---------------------------------------------------------|---------------------------------------------------------|------------------------------------|------------------------------------|-------------------------------------|---------------------------------------------------------|---------------------------------------------------------|
| Hex(7B5873) |                                                         | Ratio: 6.02<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 2.02<br>Failed <sup>5</sup> | Ratio: 2.79<br>Failed <sup>5</sup> | Ratio: 3.74<br>AA 18pt <sup>2</sup> | Ratio: 4.84<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 5.81<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(FFFFFF) | Ratio: 6.02<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |                                                         | Ratio: 2.98<br>Failed <sup>5</sup> | Ratio: 2.16<br>Failed <sup>5</sup> | Ratio: 1.61<br>Failed <sup>5</sup>  | Ratio: 1.24<br>Failed <sup>5</sup>                      | Ratio: 1.04<br>Failed <sup>5</sup>                      |
| Hex(B08AA7) | Ratio: 2.02<br>Failed <sup>5</sup>                      | Ratio: 2.98<br>Failed <sup>5</sup>                      |                                    | Ratio: 1.38<br>Failed <sup>5</sup> | Ratio: 1.85<br>Failed <sup>5</sup>  | Ratio: 2.40<br>Failed <sup>5</sup>                      | Ratio: 2.88<br>Failed <sup>5</sup>                      |
| Hex(CCA5C2) | Ratio: 2.79<br>Failed <sup>5</sup>                      | Ratio: 2.16<br>Failed <sup>5</sup>                      | Ratio: 1.38<br>Failed <sup>5</sup> |                                    | Ratio: 1.34<br>Failed <sup>5</sup>  | Ratio: 1.74<br>Failed <sup>5</sup>                      | Ratio: 2.08<br>Failed <sup>5</sup>                      |
| Hex(E8C0DE) | Ratio: 3.74<br>AA 18pt <sup>2</sup>                     | Ratio: 1.61<br>Failed <sup>5</sup>                      | Ratio: 1.85<br>Failed <sup>5</sup> | Ratio: 1.34<br>Failed <sup>5</sup> |                                     | Ratio: 1.30<br>Failed <sup>5</sup>                      | Ratio: 1.55<br>Failed <sup>5</sup>                      |
| Hex(FFDCFB) | Ratio: 4.84<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 1.24<br>Failed <sup>5</sup>                      | Ratio: 2.40<br>Failed <sup>5</sup> | Ratio: 1.74<br>Failed <sup>5</sup> | Ratio: 1.30<br>Failed <sup>5</sup>  |                                                         | Ratio: 1.20<br>Failed <sup>5</sup>                      |
| Hex(FFF9FF) | Ratio: 5.81<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 1.04<br>Failed <sup>5</sup>                      | Ratio: 2.88<br>Failed <sup>5</sup> | Ratio: 2.08<br>Failed <sup>5</sup> | Ratio: 1.55<br>Failed <sup>5</sup>  | Ratio: 1.20<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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