

# Converting Colors - WCAG Matrix

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

|             | Hex(74254F)                                             | Hex(FFFFFF)                                             | Hex(AB5780)                                             | Hex(C7719A)                         | Hex(E48CB5)                         | Hex(FFA7D1)                                             | Hex(FFC2ED)                                             | Hex(FFDFFF)                         | Hex(FFFCFF)                                             |
|-------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|-------------------------------------|-------------------------------------|---------------------------------------------------------|---------------------------------------------------------|-------------------------------------|---------------------------------------------------------|
| Hex(74254F) |                                                         | Ratio: 9.90<br>Passed <sup>6</sup>                      | Ratio: 2.08<br>Failed <sup>5</sup>                      | Ratio: 2.95<br>Failed <sup>5</sup>  | Ratio: 4.11<br>AA 18pt <sup>2</sup> | Ratio: 5.52<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 6.69<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 8.14<br>Passed <sup>6</sup>  | Ratio: 9.73<br>Passed <sup>6</sup>                      |
| Hex(FFFFFF) | Ratio: 9.90<br>Passed <sup>6</sup>                      |                                                         | Ratio: 4.77<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 3.36<br>AA 18pt <sup>2</sup> | Ratio: 2.41<br>Failed <sup>5</sup>  | Ratio: 1.79<br>Failed <sup>5</sup>                      | Ratio: 1.48<br>Failed <sup>5</sup>                      | Ratio: 1.22<br>Failed <sup>5</sup>  | Ratio: 1.02<br>Failed <sup>5</sup>                      |
| Hex(AB5780) | Ratio: 2.08<br>Failed <sup>5</sup>                      | Ratio: 4.77<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |                                                         | Ratio: 1.42<br>Failed <sup>5</sup>  | Ratio: 1.98<br>Failed <sup>5</sup>  | Ratio: 2.66<br>Failed <sup>5</sup>                      | Ratio: 3.22<br>AA 18pt <sup>2</sup>                     | Ratio: 3.91<br>AA 18pt <sup>2</sup> | Ratio: 4.68<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(C7719A) | Ratio: 2.95<br>Failed <sup>5</sup>                      | Ratio: 3.36<br>AA 18pt <sup>2</sup>                     | Ratio: 1.42<br>Failed <sup>5</sup>                      |                                     | Ratio: 1.39<br>Failed <sup>5</sup>  | Ratio: 1.87<br>Failed <sup>5</sup>                      | Ratio: 2.27<br>Failed <sup>5</sup>                      | Ratio: 2.76<br>Failed <sup>5</sup>  | Ratio: 3.30<br>AA 18pt <sup>2</sup>                     |
| Hex(E48CB5) | Ratio: 4.11<br>AA 18pt <sup>2</sup>                     | Ratio: 2.41<br>Failed <sup>5</sup>                      | Ratio: 1.98<br>Failed <sup>5</sup>                      | Ratio: 1.39<br>Failed <sup>5</sup>  |                                     | Ratio: 1.34<br>Failed <sup>5</sup>                      | Ratio: 1.63<br>Failed <sup>5</sup>                      | Ratio: 1.98<br>Failed <sup>5</sup>  | Ratio: 2.37<br>Failed <sup>5</sup>                      |
| Hex(FFA7D1) | Ratio: 5.52<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 1.79<br>Failed <sup>5</sup>                      | Ratio: 2.66<br>Failed <sup>5</sup>                      | Ratio: 1.87<br>Failed <sup>5</sup>  | Ratio: 1.34<br>Failed <sup>5</sup>  |                                                         | Ratio: 1.21<br>Failed <sup>5</sup>                      | Ratio: 1.47<br>Failed <sup>5</sup>  | Ratio: 1.76<br>Failed <sup>5</sup>                      |
| Hex(FFC2ED) | Ratio: 6.69<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 1.48<br>Failed <sup>5</sup>                      | Ratio: 3.22<br>AA 18pt <sup>2</sup>                     | Ratio: 2.27<br>Failed <sup>5</sup>  | Ratio: 1.63<br>Failed <sup>5</sup>  | Ratio: 1.21<br>Failed <sup>5</sup>                      |                                                         | Ratio: 1.22<br>Failed <sup>5</sup>  | Ratio: 1.45<br>Failed <sup>5</sup>                      |
| Hex(FFDFFF) | Ratio: 8.14<br>Passed <sup>6</sup>                      | Ratio: 1.22<br>Failed <sup>5</sup>                      | Ratio: 3.91<br>AA 18pt <sup>2</sup>                     | Ratio: 2.76<br>Failed <sup>5</sup>  | Ratio: 1.98<br>Failed <sup>5</sup>  | Ratio: 1.47<br>Failed <sup>5</sup>                      | Ratio: 1.22<br>Failed <sup>5</sup>                      |                                     | Ratio: 1.20<br>Failed <sup>5</sup>                      |
| Hex(FFFCFF) | Ratio: 9.73<br>Passed <sup>6</sup>                      | Ratio: 1.02<br>Failed <sup>5</sup>                      | Ratio: 4.68<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 3.30<br>AA 18pt <sup>2</sup> | Ratio: 2.37<br>Failed <sup>5</sup>  | Ratio: 1.76<br>Failed <sup>5</sup>                      | Ratio: 1.45<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.

This PDF was generated on [convertingcolors.com](https://convertingcolors.com).