

# Converting Colors - WCAG Matrix

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

|             | Hex(A2052A)                                             | Hex(FFFFFF)                         | Hex(E04E57)                         | Hex(FF6A70)                        | Hex(FF8689)                         | Hex(FFA2A3)                         | Hex(FFBEBE)                                             | Hex(FFDBDA)                                             | Hex(FFF9F7)                         |
|-------------|---------------------------------------------------------|-------------------------------------|-------------------------------------|------------------------------------|-------------------------------------|-------------------------------------|---------------------------------------------------------|---------------------------------------------------------|-------------------------------------|
| Hex(A2052A) |                                                         | Ratio: 8.10<br>Passed <sup>6</sup>  | Ratio: 2.08<br>Failed <sup>5</sup>  | Ratio: 2.91<br>Failed <sup>5</sup> | Ratio: 3.48<br>AA 18pt <sup>2</sup> | Ratio: 4.23<br>AA 18pt <sup>2</sup> | Ratio: 5.16<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 6.33<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 7.77<br>Passed <sup>6</sup>  |
| Hex(FFFFFF) | Ratio: 8.10<br>Passed <sup>6</sup>                      |                                     | Ratio: 3.89<br>AA 18pt <sup>2</sup> | Ratio: 2.78<br>Failed <sup>5</sup> | Ratio: 2.33<br>Failed <sup>5</sup>  | Ratio: 1.92<br>Failed <sup>5</sup>  | Ratio: 1.57<br>Failed <sup>5</sup>                      | Ratio: 1.28<br>Failed <sup>5</sup>                      | Ratio: 1.04<br>Failed <sup>5</sup>  |
| Hex(E04E57) | Ratio: 2.08<br>Failed <sup>5</sup>                      | Ratio: 3.89<br>AA 18pt <sup>2</sup> |                                     | Ratio: 1.40<br>Failed <sup>5</sup> | Ratio: 1.67<br>Failed <sup>5</sup>  | Ratio: 2.03<br>Failed <sup>5</sup>  | Ratio: 2.48<br>Failed <sup>5</sup>                      | Ratio: 3.04<br>AA 18pt <sup>2</sup>                     | Ratio: 3.73<br>AA 18pt <sup>2</sup> |
| Hex(FF6A70) | Ratio: 2.91<br>Failed <sup>5</sup>                      | Ratio: 2.78<br>Failed <sup>5</sup>  | Ratio: 1.40<br>Failed <sup>5</sup>  |                                    | Ratio: 1.20<br>Failed <sup>5</sup>  | Ratio: 1.45<br>Failed <sup>5</sup>  | Ratio: 1.77<br>Failed <sup>5</sup>                      | Ratio: 2.17<br>Failed <sup>5</sup>                      | Ratio: 2.67<br>Failed <sup>5</sup>  |
| Hex(FF8689) | Ratio: 3.48<br>AA 18pt <sup>2</sup>                     | Ratio: 2.33<br>Failed <sup>5</sup>  | Ratio: 1.67<br>Failed <sup>5</sup>  | Ratio: 1.20<br>Failed <sup>5</sup> |                                     | Ratio: 1.21<br>Failed <sup>5</sup>  | Ratio: 1.48<br>Failed <sup>5</sup>                      | Ratio: 1.82<br>Failed <sup>5</sup>                      | Ratio: 2.23<br>Failed <sup>5</sup>  |
| Hex(FFA2A3) | Ratio: 4.23<br>AA 18pt <sup>2</sup>                     | Ratio: 1.92<br>Failed <sup>5</sup>  | Ratio: 2.03<br>Failed <sup>5</sup>  | Ratio: 1.45<br>Failed <sup>5</sup> | Ratio: 1.21<br>Failed <sup>5</sup>  |                                     | Ratio: 1.22<br>Failed <sup>5</sup>                      | Ratio: 1.50<br>Failed <sup>5</sup>                      | Ratio: 1.84<br>Failed <sup>5</sup>  |
| Hex(FFBEBE) | Ratio: 5.16<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 1.57<br>Failed <sup>5</sup>  | Ratio: 2.48<br>Failed <sup>5</sup>  | Ratio: 1.77<br>Failed <sup>5</sup> | Ratio: 1.48<br>Failed <sup>5</sup>  | Ratio: 1.22<br>Failed <sup>5</sup>  |                                                         | Ratio: 1.23<br>Failed <sup>5</sup>                      | Ratio: 1.51<br>Failed <sup>5</sup>  |
| Hex(FFDBDA) | Ratio: 6.33<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 1.28<br>Failed <sup>5</sup>  | Ratio: 3.04<br>AA 18pt <sup>2</sup> | Ratio: 2.17<br>Failed <sup>5</sup> | Ratio: 1.82<br>Failed <sup>5</sup>  | Ratio: 1.50<br>Failed <sup>5</sup>  | Ratio: 1.23<br>Failed <sup>5</sup>                      |                                                         | Ratio: 1.23<br>Failed <sup>5</sup>  |
| Hex(FFF9F7) | Ratio: 7.77<br>Passed <sup>6</sup>                      | Ratio: 1.04<br>Failed <sup>5</sup>  | Ratio: 3.73<br>AA 18pt <sup>2</sup> | Ratio: 2.67<br>Failed <sup>5</sup> | Ratio: 2.23<br>Failed <sup>5</sup>  | Ratio: 1.84<br>Failed <sup>5</sup>  | Ratio: 1.51<br>Failed <sup>5</sup>                      | Ratio: 1.23<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).