

# Converting Colors - WCAG Matrix

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

|             | Hex(FFFFCA)                                             | Hex(FFFFAD)                                             | Hex(FFFF91)                                             | Hex(E3FF74)                                             | Hex(C5FF58)                                             | Hex(A8E439)                         | Hex(8BC812)                        | Hex(6EAC00)                        | Hex(529200)                         | Hex(347800)                                             |
|-------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|-------------------------------------|------------------------------------|------------------------------------|-------------------------------------|---------------------------------------------------------|
| Hex(FFFFCA) |                                                         | Ratio: 1.01<br>Failed <sup>5</sup>                      | Ratio: 1.02<br>Failed <sup>5</sup>                      | Ratio: 1.08<br>Failed <sup>5</sup>                      | Ratio: 1.15<br>Failed <sup>5</sup>                      | Ratio: 1.48<br>Failed <sup>5</sup>  | Ratio: 1.97<br>Failed <sup>5</sup> | Ratio: 2.70<br>Failed <sup>5</sup> | Ratio: 3.73<br>AA 18pt <sup>2</sup> | Ratio: 5.33<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(FFFFAD) | Ratio: 1.01<br>Failed <sup>5</sup>                      |                                                         | Ratio: 1.01<br>Failed <sup>5</sup>                      | Ratio: 1.07<br>Failed <sup>5</sup>                      | Ratio: 1.13<br>Failed <sup>5</sup>                      | Ratio: 1.46<br>Failed <sup>5</sup>  | Ratio: 1.94<br>Failed <sup>5</sup> | Ratio: 2.67<br>Failed <sup>5</sup> | Ratio: 3.69<br>AA 18pt <sup>2</sup> | Ratio: 5.26<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(FFFF91) | Ratio: 1.02<br>Failed <sup>5</sup>                      | Ratio: 1.01<br>Failed <sup>5</sup>                      |                                                         | Ratio: 1.06<br>Failed <sup>5</sup>                      | Ratio: 1.12<br>Failed <sup>5</sup>                      | Ratio: 1.44<br>Failed <sup>5</sup>  | Ratio: 1.93<br>Failed <sup>5</sup> | Ratio: 2.64<br>Failed <sup>5</sup> | Ratio: 3.65<br>AA 18pt <sup>2</sup> | Ratio: 5.21<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(E3FF74) | Ratio: 1.08<br>Failed <sup>5</sup>                      | Ratio: 1.07<br>Failed <sup>5</sup>                      | Ratio: 1.06<br>Failed <sup>5</sup>                      |                                                         | Ratio: 1.06<br>Failed <sup>5</sup>                      | Ratio: 1.36<br>Failed <sup>5</sup>  | Ratio: 1.82<br>Failed <sup>5</sup> | Ratio: 2.49<br>Failed <sup>5</sup> | Ratio: 3.44<br>AA 18pt <sup>2</sup> | Ratio: 4.91<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(C5FF58) | Ratio: 1.15<br>Failed <sup>5</sup>                      | Ratio: 1.13<br>Failed <sup>5</sup>                      | Ratio: 1.12<br>Failed <sup>5</sup>                      | Ratio: 1.06<br>Failed <sup>5</sup>                      |                                                         | Ratio: 1.29<br>Failed <sup>5</sup>  | Ratio: 1.72<br>Failed <sup>5</sup> | Ratio: 2.36<br>Failed <sup>5</sup> | Ratio: 3.26<br>AA 18pt <sup>2</sup> | Ratio: 4.65<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(A8E439) | Ratio: 1.48<br>Failed <sup>5</sup>                      | Ratio: 1.46<br>Failed <sup>5</sup>                      | Ratio: 1.44<br>Failed <sup>5</sup>                      | Ratio: 1.36<br>Failed <sup>5</sup>                      | Ratio: 1.29<br>Failed <sup>5</sup>                      |                                     | Ratio: 1.33<br>Failed <sup>5</sup> | Ratio: 1.83<br>Failed <sup>5</sup> | Ratio: 2.53<br>Failed <sup>5</sup>  | Ratio: 3.61<br>AA 18pt <sup>2</sup>                     |
| Hex(8BC812) | Ratio: 1.97<br>Failed <sup>5</sup>                      | Ratio: 1.94<br>Failed <sup>5</sup>                      | Ratio: 1.93<br>Failed <sup>5</sup>                      | Ratio: 1.82<br>Failed <sup>5</sup>                      | Ratio: 1.72<br>Failed <sup>5</sup>                      | Ratio: 1.33<br>Failed <sup>5</sup>  |                                    | Ratio: 1.37<br>Failed <sup>5</sup> | Ratio: 1.90<br>Failed <sup>5</sup>  | Ratio: 2.71<br>Failed <sup>5</sup>                      |
| Hex(6EAC00) | Ratio: 2.70<br>Failed <sup>5</sup>                      | Ratio: 2.67<br>Failed <sup>5</sup>                      | Ratio: 2.64<br>Failed <sup>5</sup>                      | Ratio: 2.49<br>Failed <sup>5</sup>                      | Ratio: 2.36<br>Failed <sup>5</sup>                      | Ratio: 1.83<br>Failed <sup>5</sup>  | Ratio: 1.37<br>Failed <sup>5</sup> |                                    | Ratio: 1.38<br>Failed <sup>5</sup>  | Ratio: 1.97<br>Failed <sup>5</sup>                      |
| Hex(529200) | Ratio: 3.73<br>AA 18pt <sup>2</sup>                     | Ratio: 3.69<br>AA 18pt <sup>2</sup>                     | Ratio: 3.65<br>AA 18pt <sup>2</sup>                     | Ratio: 3.44<br>AA 18pt <sup>2</sup>                     | Ratio: 3.26<br>AA 18pt <sup>2</sup>                     | Ratio: 2.53<br>Failed <sup>5</sup>  | Ratio: 1.90<br>Failed <sup>5</sup> | Ratio: 1.38<br>Failed <sup>5</sup> |                                     | Ratio: 1.43<br>Failed <sup>5</sup>                      |
| Hex(347800) | Ratio: 5.33<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 5.26<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 5.21<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 4.91<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 4.65<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 3.61<br>AA 18pt <sup>2</sup> | Ratio: 2.71<br>Failed <sup>5</sup> | Ratio: 1.97<br>Failed <sup>5</sup> | Ratio: 1.43<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).