

# Converting Colors - WCAG Matrix

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

Hex(6C8647) Hex(FFFFFF) Hex(A1BB79) Hex(BCD793) Hex(D8F4AE) Hex(F5FFC9) Hex(FFFE6)

|             | Hex(6C8647)                         | Hex(FFFFFF)                         | Hex(A1BB79)                        | Hex(BCD793)                        | Hex(D8F4AE)                         | Hex(F5FFC9)                         | Hex(FFFE6)                          |
|-------------|-------------------------------------|-------------------------------------|------------------------------------|------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| Hex(6C8647) |                                     | Ratio: 4.09<br>AA 18pt <sup>2</sup> | Ratio: 1.93<br>Failed <sup>5</sup> | Ratio: 2.58<br>Failed <sup>5</sup> | Ratio: 3.40<br>AA 18pt <sup>2</sup> | Ratio: 3.90<br>AA 18pt <sup>2</sup> | Ratio: 4.03<br>AA 18pt <sup>2</sup> |
| Hex(FFFFFF) | Ratio: 4.09<br>AA 18pt <sup>2</sup> |                                     | Ratio: 2.12<br>Failed <sup>5</sup> | Ratio: 1.58<br>Failed <sup>5</sup> | Ratio: 1.20<br>Failed <sup>5</sup>  | Ratio: 1.05<br>Failed <sup>5</sup>  | Ratio: 1.01<br>Failed <sup>5</sup>  |
| Hex(A1BB79) | Ratio: 1.93<br>Failed <sup>5</sup>  | Ratio: 2.12<br>Failed <sup>5</sup>  |                                    | Ratio: 1.34<br>Failed <sup>5</sup> | Ratio: 1.76<br>Failed <sup>5</sup>  | Ratio: 2.02<br>Failed <sup>5</sup>  | Ratio: 2.09<br>Failed <sup>5</sup>  |
| Hex(BCD793) | Ratio: 2.58<br>Failed <sup>5</sup>  | Ratio: 1.58<br>Failed <sup>5</sup>  | Ratio: 1.34<br>Failed <sup>5</sup> |                                    | Ratio: 1.32<br>Failed <sup>5</sup>  | Ratio: 1.51<br>Failed <sup>5</sup>  | Ratio: 1.56<br>Failed <sup>5</sup>  |
| Hex(D8F4AE) | Ratio: 3.40<br>AA 18pt <sup>2</sup> | Ratio: 1.20<br>Failed <sup>5</sup>  | Ratio: 1.76<br>Failed <sup>5</sup> | Ratio: 1.32<br>Failed <sup>5</sup> |                                     | Ratio: 1.15<br>Failed <sup>5</sup>  | Ratio: 1.18<br>Failed <sup>5</sup>  |
| Hex(F5FFC9) | Ratio: 3.90<br>AA 18pt <sup>2</sup> | Ratio: 1.05<br>Failed <sup>5</sup>  | Ratio: 2.02<br>Failed <sup>5</sup> | Ratio: 1.51<br>Failed <sup>5</sup> | Ratio: 1.15<br>Failed <sup>5</sup>  |                                     | Ratio: 1.03<br>Failed <sup>5</sup>  |
| Hex(FFFE6)  | Ratio: 4.03<br>AA 18pt <sup>2</sup> | Ratio: 1.01<br>Failed <sup>5</sup>  | Ratio: 2.09<br>Failed <sup>5</sup> | Ratio: 1.56<br>Failed <sup>5</sup> | Ratio: 1.18<br>Failed <sup>5</sup>  | Ratio: 1.03<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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