

# Converting Colors - WCAG Matrix

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

Hex(6C4D5B) Hex(8C5B72) Hex(6B6C4D) Hex(363033) Hex(750035) Hex(F50070)

|             | Hex(6C4D5B)                        | Hex(8C5B72)                        | Hex(6B6C4D)                        | Hex(363033)                         | Hex(750035)                        | Hex(F50070)                         |
|-------------|------------------------------------|------------------------------------|------------------------------------|-------------------------------------|------------------------------------|-------------------------------------|
| Hex(6C4D5B) |                                    | Ratio: 1.35<br>Failed <sup>5</sup> | Ratio: 1.36<br>Failed <sup>5</sup> | Ratio: 1.75<br>Failed <sup>5</sup>  | Ratio: 1.58<br>Failed <sup>5</sup> | Ratio: 1.80<br>Failed <sup>5</sup>  |
| Hex(8C5B72) | Ratio: 1.35<br>Failed <sup>5</sup> |                                    | Ratio: 1.01<br>Failed <sup>5</sup> | Ratio: 2.37<br>Failed <sup>5</sup>  | Ratio: 2.13<br>Failed <sup>5</sup> | Ratio: 1.33<br>Failed <sup>5</sup>  |
| Hex(6B6C4D) | Ratio: 1.36<br>Failed <sup>5</sup> | Ratio: 1.01<br>Failed <sup>5</sup> |                                    | Ratio: 2.38<br>Failed <sup>5</sup>  | Ratio: 2.14<br>Failed <sup>5</sup> | Ratio: 1.32<br>Failed <sup>5</sup>  |
| Hex(363033) | Ratio: 1.75<br>Failed <sup>5</sup> | Ratio: 2.37<br>Failed <sup>5</sup> | Ratio: 2.38<br>Failed <sup>5</sup> |                                     | Ratio: 1.11<br>Failed <sup>5</sup> | Ratio: 3.14<br>AA 18pt <sup>2</sup> |
| Hex(750035) | Ratio: 1.58<br>Failed <sup>5</sup> | Ratio: 2.13<br>Failed <sup>5</sup> | Ratio: 2.14<br>Failed <sup>5</sup> | Ratio: 1.11<br>Failed <sup>5</sup>  |                                    | Ratio: 2.83<br>Failed <sup>5</sup>  |
| Hex(F50070) | Ratio: 1.80<br>Failed <sup>5</sup> | Ratio: 1.33<br>Failed <sup>5</sup> | Ratio: 1.32<br>Failed <sup>5</sup> | Ratio: 3.14<br>AA 18pt <sup>2</sup> | Ratio: 2.83<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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