

# Converting Colors - WCAG Matrix

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

|             | Hex(965D60)                        | Hex(964E52)                        | Hex(963F44)                        | Hex(963035)                        | Hex(962127)                        | Hex(961219)                        | Hex(96030B)                        | Hex(960008)                        |
|-------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|
| Hex(965D60) |                                    | Ratio: 1.15<br>Failed <sup>5</sup> | Ratio: 1.30<br>Failed <sup>5</sup> | Ratio: 1.45<br>Failed <sup>5</sup> | Ratio: 1.58<br>Failed <sup>5</sup> | Ratio: 1.68<br>Failed <sup>5</sup> | Ratio: 1.74<br>Failed <sup>5</sup> | Ratio: 1.75<br>Failed <sup>5</sup> |
| Hex(964E52) | Ratio: 1.15<br>Failed <sup>5</sup> |                                    | Ratio: 1.13<br>Failed <sup>5</sup> | Ratio: 1.27<br>Failed <sup>5</sup> | Ratio: 1.38<br>Failed <sup>5</sup> | Ratio: 1.46<br>Failed <sup>5</sup> | Ratio: 1.52<br>Failed <sup>5</sup> | Ratio: 1.53<br>Failed <sup>5</sup> |
| Hex(963F44) | Ratio: 1.30<br>Failed <sup>5</sup> | Ratio: 1.13<br>Failed <sup>5</sup> |                                    | Ratio: 1.12<br>Failed <sup>5</sup> | Ratio: 1.22<br>Failed <sup>5</sup> | Ratio: 1.29<br>Failed <sup>5</sup> | Ratio: 1.34<br>Failed <sup>5</sup> | Ratio: 1.34<br>Failed <sup>5</sup> |
| Hex(963035) | Ratio: 1.45<br>Failed <sup>5</sup> | Ratio: 1.27<br>Failed <sup>5</sup> | Ratio: 1.12<br>Failed <sup>5</sup> |                                    | Ratio: 1.09<br>Failed <sup>5</sup> | Ratio: 1.16<br>Failed <sup>5</sup> | Ratio: 1.20<br>Failed <sup>5</sup> | Ratio: 1.20<br>Failed <sup>5</sup> |
| Hex(962127) | Ratio: 1.58<br>Failed <sup>5</sup> | Ratio: 1.38<br>Failed <sup>5</sup> | Ratio: 1.22<br>Failed <sup>5</sup> | Ratio: 1.09<br>Failed <sup>5</sup> |                                    | Ratio: 1.06<br>Failed <sup>5</sup> | Ratio: 1.10<br>Failed <sup>5</sup> | Ratio: 1.11<br>Failed <sup>5</sup> |
| Hex(961219) | Ratio: 1.68<br>Failed <sup>5</sup> | Ratio: 1.46<br>Failed <sup>5</sup> | Ratio: 1.29<br>Failed <sup>5</sup> | Ratio: 1.16<br>Failed <sup>5</sup> | Ratio: 1.06<br>Failed <sup>5</sup> |                                    | Ratio: 1.04<br>Failed <sup>5</sup> | Ratio: 1.04<br>Failed <sup>5</sup> |
| Hex(96030B) | Ratio: 1.74<br>Failed <sup>5</sup> | Ratio: 1.52<br>Failed <sup>5</sup> | Ratio: 1.34<br>Failed <sup>5</sup> | Ratio: 1.20<br>Failed <sup>5</sup> | Ratio: 1.10<br>Failed <sup>5</sup> | Ratio: 1.04<br>Failed <sup>5</sup> |                                    | Ratio: 1.01<br>Failed <sup>5</sup> |
| Hex(960008) | Ratio: 1.75<br>Failed <sup>5</sup> | Ratio: 1.53<br>Failed <sup>5</sup> | Ratio: 1.34<br>Failed <sup>5</sup> | Ratio: 1.20<br>Failed <sup>5</sup> | Ratio: 1.11<br>Failed <sup>5</sup> | Ratio: 1.04<br>Failed <sup>5</sup> | Ratio: 1.01<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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