

# Converting Colors - WCAG Matrix

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

|             | Hex(615964)                        | Hex(646364)                        | Hex(666D64)                        | Hex(697764)                        | Hex(6C8164)                        | Hex(6F8B64)                        | Hex(719564)                        | Hex(749F64)                        | Hex(77A964)                        | Hex(7AB364)                        |
|-------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|
| Hex(615964) |                                    | Ratio: 1.12<br>Failed <sup>5</sup> | Ratio: 1.26<br>Failed <sup>5</sup> | Ratio: 1.42<br>Failed <sup>5</sup> | Ratio: 1.59<br>Failed <sup>5</sup> | Ratio: 1.78<br>Failed <sup>5</sup> | Ratio: 1.98<br>Failed <sup>5</sup> | Ratio: 2.21<br>Failed <sup>5</sup> | Ratio: 2.45<br>Failed <sup>5</sup> | Ratio: 2.71<br>Failed <sup>5</sup> |
| Hex(646364) | Ratio: 1.12<br>Failed <sup>5</sup> |                                    | Ratio: 1.12<br>Failed <sup>5</sup> | Ratio: 1.26<br>Failed <sup>5</sup> | Ratio: 1.41<br>Failed <sup>5</sup> | Ratio: 1.58<br>Failed <sup>5</sup> | Ratio: 1.76<br>Failed <sup>5</sup> | Ratio: 1.96<br>Failed <sup>5</sup> | Ratio: 2.18<br>Failed <sup>5</sup> | Ratio: 2.41<br>Failed <sup>5</sup> |
| Hex(666D64) | Ratio: 1.26<br>Failed <sup>5</sup> | Ratio: 1.12<br>Failed <sup>5</sup> |                                    | Ratio: 1.12<br>Failed <sup>5</sup> | Ratio: 1.26<br>Failed <sup>5</sup> | Ratio: 1.41<br>Failed <sup>5</sup> | Ratio: 1.57<br>Failed <sup>5</sup> | Ratio: 1.75<br>Failed <sup>5</sup> | Ratio: 1.94<br>Failed <sup>5</sup> | Ratio: 2.15<br>Failed <sup>5</sup> |
| Hex(697764) | Ratio: 1.42<br>Failed <sup>5</sup> | Ratio: 1.26<br>Failed <sup>5</sup> | Ratio: 1.12<br>Failed <sup>5</sup> |                                    | Ratio: 1.12<br>Failed <sup>5</sup> | Ratio: 1.26<br>Failed <sup>5</sup> | Ratio: 1.40<br>Failed <sup>5</sup> | Ratio: 1.56<br>Failed <sup>5</sup> | Ratio: 1.73<br>Failed <sup>5</sup> | Ratio: 1.91<br>Failed <sup>5</sup> |
| Hex(6C8164) | Ratio: 1.59<br>Failed <sup>5</sup> | Ratio: 1.41<br>Failed <sup>5</sup> | Ratio: 1.26<br>Failed <sup>5</sup> | Ratio: 1.12<br>Failed <sup>5</sup> |                                    | Ratio: 1.12<br>Failed <sup>5</sup> | Ratio: 1.25<br>Failed <sup>5</sup> | Ratio: 1.39<br>Failed <sup>5</sup> | Ratio: 1.54<br>Failed <sup>5</sup> | Ratio: 1.70<br>Failed <sup>5</sup> |
| Hex(6F8B64) | Ratio: 1.78<br>Failed <sup>5</sup> | Ratio: 1.58<br>Failed <sup>5</sup> | Ratio: 1.41<br>Failed <sup>5</sup> | Ratio: 1.26<br>Failed <sup>5</sup> | Ratio: 1.12<br>Failed <sup>5</sup> |                                    | Ratio: 1.11<br>Failed <sup>5</sup> | Ratio: 1.24<br>Failed <sup>5</sup> | Ratio: 1.38<br>Failed <sup>5</sup> | Ratio: 1.52<br>Failed <sup>5</sup> |
| Hex(719564) | Ratio: 1.98<br>Failed <sup>5</sup> | Ratio: 1.76<br>Failed <sup>5</sup> | Ratio: 1.57<br>Failed <sup>5</sup> | Ratio: 1.40<br>Failed <sup>5</sup> | Ratio: 1.25<br>Failed <sup>5</sup> | Ratio: 1.11<br>Failed <sup>5</sup> |                                    | Ratio: 1.11<br>Failed <sup>5</sup> | Ratio: 1.24<br>Failed <sup>5</sup> | Ratio: 1.37<br>Failed <sup>5</sup> |
| Hex(749F64) | Ratio: 2.21<br>Failed <sup>5</sup> | Ratio: 1.96<br>Failed <sup>5</sup> | Ratio: 1.75<br>Failed <sup>5</sup> | Ratio: 1.56<br>Failed <sup>5</sup> | Ratio: 1.39<br>Failed <sup>5</sup> | Ratio: 1.24<br>Failed <sup>5</sup> | Ratio: 1.11<br>Failed <sup>5</sup> |                                    | Ratio: 1.11<br>Failed <sup>5</sup> | Ratio: 1.23<br>Failed <sup>5</sup> |
| Hex(77A964) | Ratio: 2.45<br>Failed <sup>5</sup> | Ratio: 2.18<br>Failed <sup>5</sup> | Ratio: 1.94<br>Failed <sup>5</sup> | Ratio: 1.73<br>Failed <sup>5</sup> | Ratio: 1.54<br>Failed <sup>5</sup> | Ratio: 1.38<br>Failed <sup>5</sup> | Ratio: 1.24<br>Failed <sup>5</sup> | Ratio: 1.11<br>Failed <sup>5</sup> |                                    | Ratio: 1.11<br>Failed <sup>5</sup> |
| Hex(7AB364) | Ratio: 2.71<br>Failed <sup>5</sup> | Ratio: 2.41<br>Failed <sup>5</sup> | Ratio: 2.15<br>Failed <sup>5</sup> | Ratio: 1.91<br>Failed <sup>5</sup> | Ratio: 1.70<br>Failed <sup>5</sup> | Ratio: 1.52<br>Failed <sup>5</sup> | Ratio: 1.37<br>Failed <sup>5</sup> | Ratio: 1.23<br>Failed <sup>5</sup> | Ratio: 1.11<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.