

# Converting Colors - WCAG Matrix

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

**Hex(662800) Hex(853400) Hex(665A00) Hex(33302E) Hex(732D00) Hex(F25F00)**

|             | Hex(662800)                         | Hex(853400)                        | Hex(665A00)                        | Hex(33302E)                         | Hex(732D00)                         | Hex(F25F00)                         |
|-------------|-------------------------------------|------------------------------------|------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| Hex(662800) |                                     | Ratio: 1.33<br>Failed <sup>5</sup> | Ratio: 1.62<br>Failed <sup>5</sup> | Ratio: 1.17<br>Failed <sup>5</sup>  | Ratio: 1.13<br>Failed <sup>5</sup>  | Ratio: 3.43<br>AA 18pt <sup>2</sup> |
| Hex(853400) | Ratio: 1.33<br>Failed <sup>5</sup>  |                                    | Ratio: 1.22<br>Failed <sup>5</sup> | Ratio: 1.55<br>Failed <sup>5</sup>  | Ratio: 1.18<br>Failed <sup>5</sup>  | Ratio: 2.58<br>Failed <sup>5</sup>  |
| Hex(665A00) | Ratio: 1.62<br>Failed <sup>5</sup>  | Ratio: 1.22<br>Failed <sup>5</sup> |                                    | Ratio: 1.89<br>Failed <sup>5</sup>  | Ratio: 1.44<br>Failed <sup>5</sup>  | Ratio: 2.12<br>Failed <sup>5</sup>  |
| Hex(33302E) | Ratio: 1.17<br>Failed <sup>5</sup>  | Ratio: 1.55<br>Failed <sup>5</sup> | Ratio: 1.89<br>Failed <sup>5</sup> |                                     | Ratio: 1.31<br>Failed <sup>5</sup>  | Ratio: 4.00<br>AA 18pt <sup>2</sup> |
| Hex(732D00) | Ratio: 1.13<br>Failed <sup>5</sup>  | Ratio: 1.18<br>Failed <sup>5</sup> | Ratio: 1.44<br>Failed <sup>5</sup> | Ratio: 1.31<br>Failed <sup>5</sup>  |                                     | Ratio: 3.05<br>AA 18pt <sup>2</sup> |
| Hex(F25F00) | Ratio: 3.43<br>AA 18pt <sup>2</sup> | Ratio: 2.58<br>Failed <sup>5</sup> | Ratio: 2.12<br>Failed <sup>5</sup> | Ratio: 4.00<br>AA 18pt <sup>2</sup> | Ratio: 3.05<br>AA 18pt <sup>2</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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