

# Converting Colors - WCAG Matrix

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

Hex(514D4E) Hex(6B6466) Hex(514D4D) Hex(292627) Hex(690028) Hex(E80059)

|             | Hex(514D4E)                        | Hex(6B6466)                        | Hex(514D4D)                        | Hex(292627)                         | Hex(690028)                        | Hex(E80059)                         |
|-------------|------------------------------------|------------------------------------|------------------------------------|-------------------------------------|------------------------------------|-------------------------------------|
| Hex(514D4E) |                                    | Ratio: 1.44<br>Failed <sup>5</sup> | Ratio: 1.00<br>Failed <sup>5</sup> | Ratio: 1.80<br>Failed <sup>5</sup>  | Ratio: 1.55<br>Failed <sup>5</sup> | Ratio: 1.81<br>Failed <sup>5</sup>  |
| Hex(6B6466) | Ratio: 1.44<br>Failed <sup>5</sup> |                                    | Ratio: 1.45<br>Failed <sup>5</sup> | Ratio: 2.60<br>Failed <sup>5</sup>  | Ratio: 2.23<br>Failed <sup>5</sup> | Ratio: 1.26<br>Failed <sup>5</sup>  |
| Hex(514D4D) | Ratio: 1.00<br>Failed <sup>5</sup> | Ratio: 1.45<br>Failed <sup>5</sup> |                                    | Ratio: 1.80<br>Failed <sup>5</sup>  | Ratio: 1.54<br>Failed <sup>5</sup> | Ratio: 1.82<br>Failed <sup>5</sup>  |
| Hex(292627) | Ratio: 1.80<br>Failed <sup>5</sup> | Ratio: 2.60<br>Failed <sup>5</sup> | Ratio: 1.80<br>Failed <sup>5</sup> |                                     | Ratio: 1.16<br>Failed <sup>5</sup> | Ratio: 3.27<br>AA 18pt <sup>2</sup> |
| Hex(690028) | Ratio: 1.55<br>Failed <sup>5</sup> | Ratio: 2.23<br>Failed <sup>5</sup> | Ratio: 1.54<br>Failed <sup>5</sup> | Ratio: 1.16<br>Failed <sup>5</sup>  |                                    | Ratio: 2.80<br>Failed <sup>5</sup>  |
| Hex(E80059) | Ratio: 1.81<br>Failed <sup>5</sup> | Ratio: 1.26<br>Failed <sup>5</sup> | Ratio: 1.82<br>Failed <sup>5</sup> | Ratio: 3.27<br>AA 18pt <sup>2</sup> | Ratio: 2.80<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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