

# Converting Colors - WCAG Matrix

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

Hex(473046) Hex(5C385A) Hex(30473C) Hex(242024) Hex(63005F) Hex(E300D9)

|             | Hex(473046)                        | Hex(5C385A)                        | Hex(30473C)                        | Hex(242024)                         | Hex(63005F)                         | Hex(E300D9)                         |
|-------------|------------------------------------|------------------------------------|------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| Hex(473046) |                                    | Ratio: 1.22<br>Failed <sup>5</sup> | Ratio: 1.18<br>Failed <sup>5</sup> | Ratio: 1.36<br>Failed <sup>5</sup>  | Ratio: 1.05<br>Failed <sup>5</sup>  | Ratio: 2.96<br>Failed <sup>5</sup>  |
| Hex(5C385A) | Ratio: 1.22<br>Failed <sup>5</sup> |                                    | Ratio: 1.04<br>Failed <sup>5</sup> | Ratio: 1.66<br>Failed <sup>5</sup>  | Ratio: 1.28<br>Failed <sup>5</sup>  | Ratio: 2.43<br>Failed <sup>5</sup>  |
| Hex(30473C) | Ratio: 1.18<br>Failed <sup>5</sup> | Ratio: 1.04<br>Failed <sup>5</sup> |                                    | Ratio: 1.60<br>Failed <sup>5</sup>  | Ratio: 1.23<br>Failed <sup>5</sup>  | Ratio: 2.52<br>Failed <sup>5</sup>  |
| Hex(242024) | Ratio: 1.36<br>Failed <sup>5</sup> | Ratio: 1.66<br>Failed <sup>5</sup> | Ratio: 1.60<br>Failed <sup>5</sup> |                                     | Ratio: 1.30<br>Failed <sup>5</sup>  | Ratio: 4.03<br>AA 18pt <sup>2</sup> |
| Hex(63005F) | Ratio: 1.05<br>Failed <sup>5</sup> | Ratio: 1.28<br>Failed <sup>5</sup> | Ratio: 1.23<br>Failed <sup>5</sup> | Ratio: 1.30<br>Failed <sup>5</sup>  |                                     | Ratio: 3.11<br>AA 18pt <sup>2</sup> |
| Hex(E300D9) | Ratio: 2.96<br>Failed <sup>5</sup> | Ratio: 2.43<br>Failed <sup>5</sup> | Ratio: 2.52<br>Failed <sup>5</sup> | Ratio: 4.03<br>AA 18pt <sup>2</sup> | Ratio: 3.11<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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