

# Converting Colors - WCAG Matrix

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

Hex(850028) Hex(AD0034) Hex(008518) Hex(423C3E) Hex(820027) Hex(030001)

|             | Hex(850028)                        | Hex(AD0034)                        | Hex(008518)                         | Hex(423C3E)                        | Hex(820027)                        | Hex(030001)                         |
|-------------|------------------------------------|------------------------------------|-------------------------------------|------------------------------------|------------------------------------|-------------------------------------|
| Hex(850028) |                                    | Ratio: 1.39<br>Failed <sup>5</sup> | Ratio: 2.15<br>Failed <sup>5</sup>  | Ratio: 1.04<br>Failed <sup>5</sup> | Ratio: 1.03<br>Failed <sup>5</sup> | Ratio: 2.02<br>Failed <sup>5</sup>  |
| Hex(AD0034) | Ratio: 1.39<br>Failed <sup>5</sup> |                                    | Ratio: 1.55<br>Failed <sup>5</sup>  | Ratio: 1.45<br>Failed <sup>5</sup> | Ratio: 1.43<br>Failed <sup>5</sup> | Ratio: 2.81<br>Failed <sup>5</sup>  |
| Hex(008518) | Ratio: 2.15<br>Failed <sup>5</sup> | Ratio: 1.55<br>Failed <sup>5</sup> |                                     | Ratio: 2.24<br>Failed <sup>5</sup> | Ratio: 2.21<br>Failed <sup>5</sup> | Ratio: 4.35<br>AA 18pt <sup>2</sup> |
| Hex(423C3E) | Ratio: 1.04<br>Failed <sup>5</sup> | Ratio: 1.45<br>Failed <sup>5</sup> | Ratio: 2.24<br>Failed <sup>5</sup>  |                                    | Ratio: 1.02<br>Failed <sup>5</sup> | Ratio: 1.94<br>Failed <sup>5</sup>  |
| Hex(820027) | Ratio: 1.03<br>Failed <sup>5</sup> | Ratio: 1.43<br>Failed <sup>5</sup> | Ratio: 2.21<br>Failed <sup>5</sup>  | Ratio: 1.02<br>Failed <sup>5</sup> |                                    | Ratio: 1.97<br>Failed <sup>5</sup>  |
| Hex(030001) | Ratio: 2.02<br>Failed <sup>5</sup> | Ratio: 2.81<br>Failed <sup>5</sup> | Ratio: 4.35<br>AA 18pt <sup>2</sup> | Ratio: 1.94<br>Failed <sup>5</sup> | Ratio: 1.97<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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