

# Converting Colors - WCAG Matrix

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

Hex(34001D) Hex(450026) Hex(340003) Hex(1A1718) Hex(590032) Hex(D90079)

|             | Hex(34001D)                         | Hex(450026)                         | Hex(340003)                         | Hex(1A1718)                         | Hex(590032)                        | Hex(D90079)                         |
|-------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|------------------------------------|-------------------------------------|
| Hex(34001D) |                                     | Ratio: 1.10<br>Failed <sup>5</sup>  | Ratio: 1.01<br>Failed <sup>5</sup>  | Ratio: 1.01<br>Failed <sup>5</sup>  | Ratio: 1.26<br>Failed <sup>5</sup> | Ratio: 3.63<br>AA 18pt <sup>2</sup> |
| Hex(450026) | Ratio: 1.10<br>Failed <sup>5</sup>  |                                     | Ratio: 1.12<br>Failed <sup>5</sup>  | Ratio: 1.09<br>Failed <sup>5</sup>  | Ratio: 1.15<br>Failed <sup>5</sup> | Ratio: 3.30<br>AA 18pt <sup>2</sup> |
| Hex(340003) | Ratio: 1.01<br>Failed <sup>5</sup>  | Ratio: 1.12<br>Failed <sup>5</sup>  |                                     | Ratio: 1.03<br>Failed <sup>5</sup>  | Ratio: 1.28<br>Failed <sup>5</sup> | Ratio: 3.68<br>AA 18pt <sup>2</sup> |
| Hex(1A1718) | Ratio: 1.01<br>Failed <sup>5</sup>  | Ratio: 1.09<br>Failed <sup>5</sup>  | Ratio: 1.03<br>Failed <sup>5</sup>  |                                     | Ratio: 1.25<br>Failed <sup>5</sup> | Ratio: 3.58<br>AA 18pt <sup>2</sup> |
| Hex(590032) | Ratio: 1.26<br>Failed <sup>5</sup>  | Ratio: 1.15<br>Failed <sup>5</sup>  | Ratio: 1.28<br>Failed <sup>5</sup>  | Ratio: 1.25<br>Failed <sup>5</sup>  |                                    | Ratio: 2.87<br>Failed <sup>5</sup>  |
| Hex(D90079) | Ratio: 3.63<br>AA 18pt <sup>2</sup> | Ratio: 3.30<br>AA 18pt <sup>2</sup> | Ratio: 3.68<br>AA 18pt <sup>2</sup> | Ratio: 3.58<br>AA 18pt <sup>2</sup> | Ratio: 2.87<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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