

# Converting Colors - WCAG Matrix

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

**Hex(2E001A) Hex(3B0021) Hex(2E0003) Hex(171516) Hex(570031) Hex(D60079)**

|             | Hex(2E001A)                         | Hex(3B0021)                         | Hex(2E0003)                         | Hex(171516)                         | Hex(570031)                        | Hex(D60079)                         |
|-------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|------------------------------------|-------------------------------------|
| Hex(2E001A) |                                     | Ratio: 1.07<br>Failed <sup>5</sup>  | Ratio: 1.01<br>Failed <sup>5</sup>  | Ratio: 1.02<br>Failed <sup>5</sup>  | Ratio: 1.28<br>Failed <sup>5</sup> | Ratio: 3.66<br>AA 18pt <sup>2</sup> |
| Hex(3B0021) | Ratio: 1.07<br>Failed <sup>5</sup>  |                                     | Ratio: 1.08<br>Failed <sup>5</sup>  | Ratio: 1.05<br>Failed <sup>5</sup>  | Ratio: 1.20<br>Failed <sup>5</sup> | Ratio: 3.42<br>AA 18pt <sup>2</sup> |
| Hex(2E0003) | Ratio: 1.01<br>Failed <sup>5</sup>  | Ratio: 1.08<br>Failed <sup>5</sup>  |                                     | Ratio: 1.03<br>Failed <sup>5</sup>  | Ratio: 1.30<br>Failed <sup>5</sup> | Ratio: 3.70<br>AA 18pt <sup>2</sup> |
| Hex(171516) | Ratio: 1.02<br>Failed <sup>5</sup>  | Ratio: 1.05<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(570031) | Ratio: 1.28<br>Failed <sup>5</sup>  | Ratio: 1.20<br>Failed <sup>5</sup>  | Ratio: 1.30<br>Failed <sup>5</sup>  | Ratio: 1.25<br>Failed <sup>5</sup>  |                                    | Ratio: 2.85<br>Failed <sup>5</sup>  |
| Hex(D60079) | Ratio: 3.66<br>AA 18pt <sup>2</sup> | Ratio: 3.42<br>AA 18pt <sup>2</sup> | Ratio: 3.70<br>AA 18pt <sup>2</sup> | Ratio: 3.58<br>AA 18pt <sup>2</sup> | Ratio: 2.85<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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