

# Converting Colors - WCAG Matrix

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

**Hex(291213) Hex(361213) Hex(121E29) Hex(141212) Hex(540002) Hex(D40004)**

|             | Hex(291213)                         | Hex(361213)                         | Hex(121E29)                         | Hex(141212)                         | Hex(540002)                        | Hex(D40004)                         |
|-------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|------------------------------------|-------------------------------------|
| Hex(291213) |                                     | Ratio: 1.05<br>Failed <sup>5</sup>  | Ratio: 1.04<br>Failed <sup>5</sup>  | Ratio: 1.06<br>Failed <sup>5</sup>  | Ratio: 1.16<br>Failed <sup>5</sup> | Ratio: 3.19<br>AA 18pt <sup>2</sup> |
| Hex(361213) | Ratio: 1.05<br>Failed <sup>5</sup>  |                                     | Ratio: 1.01<br>Failed <sup>5</sup>  | Ratio: 1.11<br>Failed <sup>5</sup>  | Ratio: 1.10<br>Failed <sup>5</sup> | Ratio: 3.03<br>AA 18pt <sup>2</sup> |
| Hex(121E29) | Ratio: 1.04<br>Failed <sup>5</sup>  | Ratio: 1.01<br>Failed <sup>5</sup>  |                                     | Ratio: 1.11<br>Failed <sup>5</sup>  | Ratio: 1.11<br>Failed <sup>5</sup> | Ratio: 3.06<br>AA 18pt <sup>2</sup> |
| Hex(141212) | Ratio: 1.06<br>Failed <sup>5</sup>  | Ratio: 1.11<br>Failed <sup>5</sup>  | Ratio: 1.11<br>Failed <sup>5</sup>  |                                     | Ratio: 1.22<br>Failed <sup>5</sup> | Ratio: 3.38<br>AA 18pt <sup>2</sup> |
| Hex(540002) | Ratio: 1.16<br>Failed <sup>5</sup>  | Ratio: 1.10<br>Failed <sup>5</sup>  | Ratio: 1.11<br>Failed <sup>5</sup>  | Ratio: 1.22<br>Failed <sup>5</sup>  |                                    | Ratio: 2.76<br>Failed <sup>5</sup>  |
| Hex(D40004) | Ratio: 3.19<br>AA 18pt <sup>2</sup> | Ratio: 3.03<br>AA 18pt <sup>2</sup> | Ratio: 3.06<br>AA 18pt <sup>2</sup> | Ratio: 3.38<br>AA 18pt <sup>2</sup> | Ratio: 2.76<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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