

# Converting Colors - WCAG Matrix

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

Hex(211414) Hex(2B1717) Hex(141B21) Hex(0F0E0E) Hex(4F0002) Hex(CF0006)

|             | Hex(211414)                         | Hex(2B1717)                        | Hex(141B21)                         | Hex(0F0E0E)                         | Hex(4F0002)                        | Hex(CF0006)                         |
|-------------|-------------------------------------|------------------------------------|-------------------------------------|-------------------------------------|------------------------------------|-------------------------------------|
| Hex(211414) |                                     | Ratio: 1.05<br>Failed <sup>5</sup> | Ratio: 1.03<br>Failed <sup>5</sup>  | Ratio: 1.08<br>Failed <sup>5</sup>  | Ratio: 1.14<br>Failed <sup>5</sup> | Ratio: 3.11<br>AA 18pt <sup>2</sup> |
| Hex(2B1717) | Ratio: 1.05<br>Failed <sup>5</sup>  |                                    | Ratio: 1.02<br>Failed <sup>5</sup>  | Ratio: 1.14<br>Failed <sup>5</sup>  | Ratio: 1.08<br>Failed <sup>5</sup> | Ratio: 2.95<br>Failed <sup>5</sup>  |
| Hex(141B21) | Ratio: 1.03<br>Failed <sup>5</sup>  | Ratio: 1.02<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(0F0E0E) | Ratio: 1.08<br>Failed <sup>5</sup>  | Ratio: 1.14<br>Failed <sup>5</sup> | Ratio: 1.11<br>Failed <sup>5</sup>  |                                     | Ratio: 1.22<br>Failed <sup>5</sup> | Ratio: 3.36<br>AA 18pt <sup>2</sup> |
| Hex(4F0002) | Ratio: 1.14<br>Failed <sup>5</sup>  | Ratio: 1.08<br>Failed <sup>5</sup> | Ratio: 1.10<br>Failed <sup>5</sup>  | Ratio: 1.22<br>Failed <sup>5</sup>  |                                    | Ratio: 2.74<br>Failed <sup>5</sup>  |
| Hex(CF0006) | Ratio: 3.11<br>AA 18pt <sup>2</sup> | Ratio: 2.95<br>Failed <sup>5</sup> | Ratio: 3.03<br>AA 18pt <sup>2</sup> | Ratio: 3.36<br>AA 18pt <sup>2</sup> | Ratio: 2.74<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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