

# Converting Colors - WCAG Matrix

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

**Hex(080A08) Hex(0A0D0A) Hex(080A09) Hex(050505) Hex(004500) Hex(00C400)**

|             | Hex(080A08)                        | Hex(0A0D0A)                        | Hex(080A09)                        | Hex(050505)                        | Hex(004500)                                             | Hex(00C400)                                             |
|-------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|---------------------------------------------------------|---------------------------------------------------------|
| Hex(080A08) |                                    | Ratio: 1.02<br>Failed <sup>5</sup> | Ratio: 1.00<br>Failed <sup>5</sup> | Ratio: 1.03<br>Failed <sup>5</sup> | Ratio: 1.75<br>Failed <sup>5</sup>                      | Ratio: 8.41<br>Passed <sup>6</sup>                      |
| Hex(0A0D0A) | Ratio: 1.02<br>Failed <sup>5</sup> |                                    | Ratio: 1.02<br>Failed <sup>5</sup> | Ratio: 1.04<br>Failed <sup>5</sup> | Ratio: 1.72<br>Failed <sup>5</sup>                      | Ratio: 8.28<br>Passed <sup>6</sup>                      |
| Hex(080A09) | Ratio: 1.00<br>Failed <sup>5</sup> | Ratio: 1.02<br>Failed <sup>5</sup> |                                    | Ratio: 1.03<br>Failed <sup>5</sup> | Ratio: 1.75<br>Failed <sup>5</sup>                      | Ratio: 8.41<br>Passed <sup>6</sup>                      |
| Hex(050505) | Ratio: 1.03<br>Failed <sup>5</sup> | Ratio: 1.04<br>Failed <sup>5</sup> | Ratio: 1.03<br>Failed <sup>5</sup> |                                    | Ratio: 1.80<br>Failed <sup>5</sup>                      | Ratio: 8.63<br>Passed <sup>6</sup>                      |
| Hex(004500) | Ratio: 1.75<br>Failed <sup>5</sup> | Ratio: 1.72<br>Failed <sup>5</sup> | Ratio: 1.75<br>Failed <sup>5</sup> | Ratio: 1.80<br>Failed <sup>5</sup> |                                                         | Ratio: 4.81<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(00C400) | Ratio: 8.41<br>Passed <sup>6</sup> | Ratio: 8.28<br>Passed <sup>6</sup> | Ratio: 8.41<br>Passed <sup>6</sup> | Ratio: 8.63<br>Passed <sup>6</sup> | Ratio: 4.81<br>AA <sup>1</sup><br>AAA 18pt <sup>4</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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