

# Converting Colors - WCAG Matrix

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

Hex(111818) Hex(141F1F) Hex(111418) Hex(0B0D0D) Hex(004D4D) Hex(00CCCC)

|             | Hex(111818)                        | Hex(141F1F)                        | Hex(111418)                        | Hex(0B0D0D)                        | Hex(004D4D)                                             | Hex(00CCCC)                                             |
|-------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|---------------------------------------------------------|---------------------------------------------------------|
| Hex(111818) |                                    | Ratio: 1.07<br>Failed <sup>5</sup> | Ratio: 1.03<br>Failed <sup>5</sup> | Ratio: 1.08<br>Failed <sup>5</sup> | Ratio: 1.86<br>Failed <sup>5</sup>                      | Ratio: 9.00<br>Passed <sup>6</sup>                      |
| Hex(141F1F) | Ratio: 1.07<br>Failed <sup>5</sup> |                                    | Ratio: 1.10<br>Failed <sup>5</sup> | Ratio: 1.16<br>Failed <sup>5</sup> | Ratio: 1.74<br>Failed <sup>5</sup>                      | Ratio: 8.44<br>Passed <sup>6</sup>                      |
| Hex(111418) | Ratio: 1.03<br>Failed <sup>5</sup> | Ratio: 1.10<br>Failed <sup>5</sup> |                                    | Ratio: 1.06<br>Failed <sup>5</sup> | Ratio: 1.91<br>Failed <sup>5</sup>                      | Ratio: 9.24<br>Passed <sup>6</sup>                      |
| Hex(0B0D0D) | Ratio: 1.08<br>Failed <sup>5</sup> | Ratio: 1.16<br>Failed <sup>5</sup> | Ratio: 1.06<br>Failed <sup>5</sup> |                                    | Ratio: 2.01<br>Failed <sup>5</sup>                      | Ratio: 9.75<br>Passed <sup>6</sup>                      |
| Hex(004D4D) | Ratio: 1.86<br>Failed <sup>5</sup> | Ratio: 1.74<br>Failed <sup>5</sup> | Ratio: 1.91<br>Failed <sup>5</sup> | Ratio: 2.01<br>Failed <sup>5</sup> |                                                         | Ratio: 4.85<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(00CCCC) | Ratio: 9.00<br>Passed <sup>6</sup> | Ratio: 8.44<br>Passed <sup>6</sup> | Ratio: 9.24<br>Passed <sup>6</sup> | Ratio: 9.75<br>Passed <sup>6</sup> | Ratio: 4.85<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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