

# Converting Colors - WCAG Matrix

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

|             | Hex(008C0D)                                             | Hex(007200)                         | Hex(005800)                        | Hex(003F00)                        | Hex(002900)                         | Hex(000300)                                             | Hex(000000)                                             |
|-------------|---------------------------------------------------------|-------------------------------------|------------------------------------|------------------------------------|-------------------------------------|---------------------------------------------------------|---------------------------------------------------------|
| Hex(008C0D) |                                                         | Ratio: 1.40<br>Failed <sup>5</sup>  | Ratio: 1.99<br>Failed <sup>5</sup> | Ratio: 2.78<br>Failed <sup>5</sup> | Ratio: 3.61<br>AA 18pt <sup>2</sup> | Ratio: 4.70<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 4.76<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(007200) | Ratio: 1.40<br>Failed <sup>5</sup>                      |                                     | Ratio: 1.42<br>Failed <sup>5</sup> | Ratio: 1.99<br>Failed <sup>5</sup> | Ratio: 2.59<br>Failed <sup>5</sup>  | Ratio: 3.36<br>AA 18pt <sup>2</sup>                     | Ratio: 3.41<br>AA 18pt <sup>2</sup>                     |
| Hex(005800) | Ratio: 1.99<br>Failed <sup>5</sup>                      | Ratio: 1.42<br>Failed <sup>5</sup>  |                                    | Ratio: 1.40<br>Failed <sup>5</sup> | Ratio: 1.82<br>Failed <sup>5</sup>  | Ratio: 2.37<br>Failed <sup>5</sup>                      | Ratio: 2.40<br>Failed <sup>5</sup>                      |
| Hex(003F00) | Ratio: 2.78<br>Failed <sup>5</sup>                      | Ratio: 1.99<br>Failed <sup>5</sup>  | Ratio: 1.40<br>Failed <sup>5</sup> |                                    | Ratio: 1.30<br>Failed <sup>5</sup>  | Ratio: 1.69<br>Failed <sup>5</sup>                      | Ratio: 1.71<br>Failed <sup>5</sup>                      |
| Hex(002900) | Ratio: 3.61<br>AA 18pt <sup>2</sup>                     | Ratio: 2.59<br>Failed <sup>5</sup>  | Ratio: 1.82<br>Failed <sup>5</sup> | Ratio: 1.30<br>Failed <sup>5</sup> |                                     | Ratio: 1.30<br>Failed <sup>5</sup>                      | Ratio: 1.32<br>Failed <sup>5</sup>                      |
| Hex(000300) | Ratio: 4.70<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 3.36<br>AA 18pt <sup>2</sup> | Ratio: 2.37<br>Failed <sup>5</sup> | Ratio: 1.69<br>Failed <sup>5</sup> | Ratio: 1.30<br>Failed <sup>5</sup>  |                                                         | Ratio: 1.01<br>Failed <sup>5</sup>                      |
| Hex(000000) | Ratio: 4.76<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 3.41<br>AA 18pt <sup>2</sup> | Ratio: 2.40<br>Failed <sup>5</sup> | Ratio: 1.71<br>Failed <sup>5</sup> | Ratio: 1.32<br>Failed <sup>5</sup>  | Ratio: 1.01<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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