

# Converting Colors - WCAG Matrix

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

**Hex(009961) Hex(00C77E) Hex(008599) Hex(454D4A) Hex(008C59) Hex(000D08)**

|             | Hex(009961)                                             | Hex(00C77E)                         | Hex(008599)                                             | Hex(454D4A)                         | Hex(008C59)                                             | Hex(000D08)                                             |
|-------------|---------------------------------------------------------|-------------------------------------|---------------------------------------------------------|-------------------------------------|---------------------------------------------------------|---------------------------------------------------------|
| Hex(009961) |                                                         | Ratio: 1.65<br>Failed <sup>5</sup>  | Ratio: 1.19<br>Failed <sup>5</sup>                      | Ratio: 2.37<br>Failed <sup>5</sup>  | Ratio: 1.17<br>Failed <sup>5</sup>                      | Ratio: 5.40<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(00C77E) | Ratio: 1.65<br>Failed <sup>5</sup>                      |                                     | Ratio: 1.97<br>Failed <sup>5</sup>                      | Ratio: 3.92<br>AA 18pt <sup>2</sup> | Ratio: 1.93<br>Failed <sup>5</sup>                      | Ratio: 8.93<br>Passed <sup>6</sup>                      |
| Hex(008599) | Ratio: 1.19<br>Failed <sup>5</sup>                      | Ratio: 1.97<br>Failed <sup>5</sup>  |                                                         | Ratio: 2.00<br>Failed <sup>5</sup>  | Ratio: 1.02<br>Failed <sup>5</sup>                      | Ratio: 4.54<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(454D4A) | Ratio: 2.37<br>Failed <sup>5</sup>                      | Ratio: 3.92<br>AA 18pt <sup>2</sup> | Ratio: 2.00<br>Failed <sup>5</sup>                      |                                     | Ratio: 2.03<br>Failed <sup>5</sup>                      | Ratio: 2.27<br>Failed <sup>5</sup>                      |
| Hex(008C59) | Ratio: 1.17<br>Failed <sup>5</sup>                      | Ratio: 1.93<br>Failed <sup>5</sup>  | Ratio: 1.02<br>Failed <sup>5</sup>                      | Ratio: 2.03<br>Failed <sup>5</sup>  |                                                         | Ratio: 4.61<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(000D08) | Ratio: 5.40<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 8.93<br>Passed <sup>6</sup>  | Ratio: 4.54<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 2.27<br>Failed <sup>5</sup>  | Ratio: 4.61<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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