

# Converting Colors - WCAG Matrix

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

**Hex(00C491) Hex(00FFBC) Hex(0096C4) Hex(57615E) Hex(00A177) Hex(002118)**

|             | Hex(00C491)                        | Hex(00FFBC)                                             | Hex(0096C4)                                             | Hex(57615E)                                             | Hex(00A177)                                             | Hex(002118)                                             |
|-------------|------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|
| Hex(00C491) |                                    | Ratio: 1.72<br>Failed <sup>5</sup>                      | Ratio: 1.51<br>Failed <sup>5</sup>                      | Ratio: 2.84<br>Failed <sup>5</sup>                      | Ratio: 1.46<br>Failed <sup>5</sup>                      | Ratio: 7.56<br>Passed <sup>6</sup>                      |
| Hex(00FFBC) | Ratio: 1.72<br>Failed <sup>5</sup> |                                                         | Ratio: 2.60<br>Failed <sup>5</sup>                      | Ratio: 4.89<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 2.52<br>Failed <sup>5</sup>                      | Ratio: 13.02<br>Passed <sup>6</sup>                     |
| Hex(0096C4) | Ratio: 1.51<br>Failed <sup>5</sup> | Ratio: 2.60<br>Failed <sup>5</sup>                      |                                                         | Ratio: 1.88<br>Failed <sup>5</sup>                      | Ratio: 1.03<br>Failed <sup>5</sup>                      | Ratio: 5.00<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(57615E) | Ratio: 2.84<br>Failed <sup>5</sup> | Ratio: 4.89<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 1.88<br>Failed <sup>5</sup>                      |                                                         | Ratio: 1.94<br>Failed <sup>5</sup>                      | Ratio: 2.66<br>Failed <sup>5</sup>                      |
| Hex(00A177) | Ratio: 1.46<br>Failed <sup>5</sup> | Ratio: 2.52<br>Failed <sup>5</sup>                      | Ratio: 1.03<br>Failed <sup>5</sup>                      | Ratio: 1.94<br>Failed <sup>5</sup>                      |                                                         | Ratio: 5.17<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(002118) | Ratio: 7.56<br>Passed <sup>6</sup> | Ratio: 13.02<br>Passed <sup>6</sup>                     | Ratio: 5.00<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 2.66<br>Failed <sup>5</sup>                      | Ratio: 5.17<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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