

# Converting Colors - WCAG Matrix

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

**Hex(008799) Hex(8BC0C7) Hex(009912) Hex(405F63) Hex(E3E3E3) Hex(636363)**

|             | Hex(008799)                         | Hex(8BC0C7)                         | Hex(009912)                        | Hex(405F63)                                             | Hex(E3E3E3)                                             | Hex(636363)                                             |
|-------------|-------------------------------------|-------------------------------------|------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|
| Hex(008799) |                                     | Ratio: 2.12<br>Failed <sup>5</sup>  | Ratio: 1.13<br>Failed <sup>5</sup> | Ratio: 1.62<br>Failed <sup>5</sup>                      | Ratio: 3.32<br>AA 18pt <sup>2</sup>                     | Ratio: 1.41<br>Failed <sup>5</sup>                      |
| Hex(8BC0C7) | Ratio: 2.12<br>Failed <sup>5</sup>  |                                     | Ratio: 1.88<br>Failed <sup>5</sup> | Ratio: 3.45<br>AA 18pt <sup>2</sup>                     | Ratio: 1.56<br>Failed <sup>5</sup>                      | Ratio: 2.99<br>Failed <sup>5</sup>                      |
| Hex(009912) | Ratio: 1.13<br>Failed <sup>5</sup>  | Ratio: 1.88<br>Failed <sup>5</sup>  |                                    | Ratio: 1.83<br>Failed <sup>5</sup>                      | Ratio: 2.94<br>Failed <sup>5</sup>                      | Ratio: 1.59<br>Failed <sup>5</sup>                      |
| Hex(405F63) | Ratio: 1.62<br>Failed <sup>5</sup>  | Ratio: 3.45<br>AA 18pt <sup>2</sup> | Ratio: 1.83<br>Failed <sup>5</sup> |                                                         | Ratio: 5.39<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 1.15<br>Failed <sup>5</sup>                      |
| Hex(E3E3E3) | Ratio: 3.32<br>AA 18pt <sup>2</sup> | Ratio: 1.56<br>Failed <sup>5</sup>  | Ratio: 2.94<br>Failed <sup>5</sup> | Ratio: 5.39<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |                                                         | Ratio: 4.68<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(636363) | Ratio: 1.41<br>Failed <sup>5</sup>  | Ratio: 2.99<br>Failed <sup>5</sup>  | Ratio: 1.59<br>Failed <sup>5</sup> | Ratio: 1.15<br>Failed <sup>5</sup>                      | Ratio: 4.68<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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