

# Converting Colors - WCAG Matrix

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

Hex(BF0057) Hex(F70071) Hex(00B9BF) Hex(5E5559) Hex(9E0048) Hex(1F000E)

|             | Hex(BF0057)                         | Hex(F70071)                                             | Hex(00B9BF)                         | Hex(5E5559)                        | Hex(9E0048)                         | Hex(1F000E)                                             |
|-------------|-------------------------------------|---------------------------------------------------------|-------------------------------------|------------------------------------|-------------------------------------|---------------------------------------------------------|
| Hex(BF0057) |                                     | Ratio: 1.55<br>Failed <sup>5</sup>                      | Ratio: 2.59<br>Failed <sup>5</sup>  | Ratio: 1.15<br>Failed <sup>5</sup> | Ratio: 1.32<br>Failed <sup>5</sup>  | Ratio: 3.15<br>AA 18pt <sup>2</sup>                     |
| Hex(F70071) | Ratio: 1.55<br>Failed <sup>5</sup>  |                                                         | Ratio: 1.67<br>Failed <sup>5</sup>  | Ratio: 1.78<br>Failed <sup>5</sup> | Ratio: 2.04<br>Failed <sup>5</sup>  | Ratio: 4.88<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(00B9BF) | Ratio: 2.59<br>Failed <sup>5</sup>  | Ratio: 1.67<br>Failed <sup>5</sup>                      |                                     | Ratio: 2.98<br>Failed <sup>5</sup> | Ratio: 3.41<br>AA 18pt <sup>2</sup> | Ratio: 8.16<br>Passed <sup>6</sup>                      |
| Hex(5E5559) | Ratio: 1.15<br>Failed <sup>5</sup>  | Ratio: 1.78<br>Failed <sup>5</sup>                      | Ratio: 2.98<br>Failed <sup>5</sup>  |                                    | Ratio: 1.15<br>Failed <sup>5</sup>  | Ratio: 2.74<br>Failed <sup>5</sup>                      |
| Hex(9E0048) | Ratio: 1.32<br>Failed <sup>5</sup>  | Ratio: 2.04<br>Failed <sup>5</sup>                      | Ratio: 3.41<br>AA 18pt <sup>2</sup> | Ratio: 1.15<br>Failed <sup>5</sup> |                                     | Ratio: 2.39<br>Failed <sup>5</sup>                      |
| Hex(1F000E) | Ratio: 3.15<br>AA 18pt <sup>2</sup> | Ratio: 4.88<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 8.16<br>Passed <sup>6</sup>  | Ratio: 2.74<br>Failed <sup>5</sup> | Ratio: 2.39<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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