

# Converting Colors - WCAG Matrix

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

Hex(010812) Hex(000A17) Hex(020112) Hex(070708) Hex(001E47) Hex(0053C7)

|             | Hex(010812)                                        | Hex(000A17)                                        | Hex(020112)                                         | Hex(070708)                                        | Hex(001E47)                                        | Hex(0053C7)                                         |
|-------------|----------------------------------------------------|----------------------------------------------------|-----------------------------------------------------|----------------------------------------------------|----------------------------------------------------|-----------------------------------------------------|
| Hex(010812) |                                                    | Ratio: <a href="#">1.01</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.03</a><br>Failed <sup>5</sup>  | Ratio: <a href="#">1.00</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.22</a><br>Failed <sup>5</sup> | Ratio: <a href="#">2.93</a><br>Failed <sup>5</sup>  |
| Hex(000A17) | Ratio: <a href="#">1.01</a><br>Failed <sup>5</sup> |                                                    | Ratio: <a href="#">1.04</a><br>Failed <sup>5</sup>  | Ratio: <a href="#">1.01</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.21</a><br>Failed <sup>5</sup> | Ratio: <a href="#">2.90</a><br>Failed <sup>5</sup>  |
| Hex(020112) | Ratio: <a href="#">1.03</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.04</a><br>Failed <sup>5</sup> |                                                     | Ratio: <a href="#">1.03</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.26</a><br>Failed <sup>5</sup> | Ratio: <a href="#">3.01</a><br>AA 18pt <sup>2</sup> |
| Hex(070708) | Ratio: <a href="#">1.00</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.01</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.03</a><br>Failed <sup>5</sup>  |                                                    | Ratio: <a href="#">1.22</a><br>Failed <sup>5</sup> | Ratio: <a href="#">2.94</a><br>Failed <sup>5</sup>  |
| Hex(001E47) | Ratio: <a href="#">1.22</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.21</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.26</a><br>Failed <sup>5</sup>  | Ratio: <a href="#">1.22</a><br>Failed <sup>5</sup> |                                                    | Ratio: <a href="#">2.40</a><br>Failed <sup>5</sup>  |
| Hex(0053C7) | Ratio: <a href="#">2.93</a><br>Failed <sup>5</sup> | Ratio: <a href="#">2.90</a><br>Failed <sup>5</sup> | Ratio: <a href="#">3.01</a><br>AA 18pt <sup>2</sup> | Ratio: <a href="#">2.94</a><br>Failed <sup>5</sup> | Ratio: <a href="#">2.40</a><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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