

# Converting Colors - WCAG Matrix

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

**Hex(090E16) Hex(08101C) Hex(0A0916) Hex(090A0A) Hex(001F4A) Hex(0054C9)**

|             | Hex(090E16)  | Hex(08101C)  | Hex(0A0916)  | Hex(090A0A)  | Hex(001F4A)  | Hex(0054C9)  |
|-------------|--|--|--|--|--|--|
| Hex(090E16) |  | <a href="#">Ratio: 1.01</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.02</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.03</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.19</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 2.87</a><br>Failed <sup>5</sup> |
| Hex(08101C) | <a href="#">Ratio: 1.01</a><br>Failed <sup>5</sup> |  | <a href="#">Ratio: 1.04</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.04</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.18</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 2.83</a><br>Failed <sup>5</sup> |
| Hex(0A0916) | <a href="#">Ratio: 1.02</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.04</a><br>Failed <sup>5</sup> |  | <a href="#">Ratio: 1.00</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.22</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 2.93</a><br>Failed <sup>5</sup> |
| Hex(090A0A) | <a href="#">Ratio: 1.03</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.04</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.00</a><br>Failed <sup>5</sup> |  | <a href="#">Ratio: 1.22</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 2.94</a><br>Failed <sup>5</sup> |
| Hex(001F4A) | <a href="#">Ratio: 1.19</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.18</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.22</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.22</a><br>Failed <sup>5</sup> |  | <a href="#">Ratio: 2.40</a><br>Failed <sup>5</sup> |
| Hex(0054C9) | <a href="#">Ratio: 2.87</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 2.83</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 2.93</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 2.94</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 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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