

# Converting Colors - WCAG Matrix

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

**Hex(090040) Hex(0B0054) Hex(280040) Hex(1E1E21) Hex(0D0061) Hex(1F00E0)**

|             | Hex(090040)                                        | Hex(0B0054)                                        | Hex(280040)                                        | Hex(1E1E21)                                        | Hex(0D0061)                                        | Hex(1F00E0)                                        |
|-------------|----------------------------------------------------|----------------------------------------------------|----------------------------------------------------|----------------------------------------------------|----------------------------------------------------|----------------------------------------------------|
| Hex(090040) |                                                    | <a href="#">Ratio: 1.05</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.07</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.16</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.10</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.97</a><br>Failed <sup>5</sup> |
| Hex(0B0054) | <a href="#">Ratio: 1.05</a><br>Failed <sup>5</sup> |                                                    | <a href="#">Ratio: 1.02</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.11</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.04</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.87</a><br>Failed <sup>5</sup> |
| Hex(280040) | <a href="#">Ratio: 1.07</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.02</a><br>Failed <sup>5</sup> |                                                    | <a href="#">Ratio: 1.08</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.02</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.83</a><br>Failed <sup>5</sup> |
| Hex(1E1E21) | <a href="#">Ratio: 1.16</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.11</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.08</a><br>Failed <sup>5</sup> |                                                    | <a href="#">Ratio: 1.06</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.69</a><br>Failed <sup>5</sup> |
| Hex(0D0061) | <a href="#">Ratio: 1.10</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.04</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.02</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.06</a><br>Failed <sup>5</sup> |                                                    | <a href="#">Ratio: 1.79</a><br>Failed <sup>5</sup> |
| Hex(1F00E0) | <a href="#">Ratio: 1.97</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.87</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.83</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.69</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.79</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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