

# Converting Colors - WCAG Matrix

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

**Hex(5C5363) Hex(756780) Hex(635362) Hex(2E2C30) Hex(3F0070) Hex(8700F0)**

|             | Hex(5C5363)                                        | Hex(756780)                                        | Hex(635362)                                        | Hex(2E2C30)                                        | Hex(3F0070)                                        | Hex(8700F0)                                        |
|-------------|----------------------------------------------------|----------------------------------------------------|----------------------------------------------------|----------------------------------------------------|----------------------------------------------------|----------------------------------------------------|
| Hex(5C5363) |                                                    | Ratio: <a href="#">1.40</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.02</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.89</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.99</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.14</a><br>Failed <sup>5</sup> |
| Hex(756780) | Ratio: <a href="#">1.40</a><br>Failed <sup>5</sup> |                                                    | Ratio: <a href="#">1.36</a><br>Failed <sup>5</sup> | Ratio: <a href="#">2.64</a><br>Failed <sup>5</sup> | Ratio: <a href="#">2.77</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.22</a><br>Failed <sup>5</sup> |
| Hex(635362) | Ratio: <a href="#">1.02</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.36</a><br>Failed <sup>5</sup> |                                                    | Ratio: <a href="#">1.94</a><br>Failed <sup>5</sup> | Ratio: <a href="#">2.04</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.12</a><br>Failed <sup>5</sup> |
| Hex(2E2C30) | Ratio: <a href="#">1.89</a><br>Failed <sup>5</sup> | Ratio: <a href="#">2.64</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.94</a><br>Failed <sup>5</sup> |                                                    | Ratio: <a href="#">1.05</a><br>Failed <sup>5</sup> | Ratio: <a href="#">2.16</a><br>Failed <sup>5</sup> |
| Hex(3F0070) | Ratio: <a href="#">1.99</a><br>Failed <sup>5</sup> | Ratio: <a href="#">2.77</a><br>Failed <sup>5</sup> | Ratio: <a href="#">2.04</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.05</a><br>Failed <sup>5</sup> |                                                    | Ratio: <a href="#">2.28</a><br>Failed <sup>5</sup> |
| Hex(8700F0) | Ratio: <a href="#">1.14</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.22</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.12</a><br>Failed <sup>5</sup> | Ratio: <a href="#">2.16</a><br>Failed <sup>5</sup> | Ratio: <a href="#">2.28</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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