

# Converting Colors - WCAG Matrix

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

**Hex(535169) Hex(656187) Hex(5F5169) Hex(313036) Hex(0A0075) Hex(1500F5)**

|             | Hex(535169)                                                        | Hex(656187)                                                        | Hex(5F5169)                                                        | Hex(313036)                                                        | Hex(0A0075)                                                        | Hex(1500F5)                                                        |
|-------------|--------------------------------------------------------------------|--------------------------------------------------------------------|--------------------------------------------------------------------|--------------------------------------------------------------------|--------------------------------------------------------------------|--------------------------------------------------------------------|
| Hex(535169) |                                                                    | <a href="#">Ratio: 1.31</a><br><a href="#">Failed</a> <sup>5</sup> | <a href="#">Ratio: 1.04</a><br><a href="#">Failed</a> <sup>5</sup> | <a href="#">Ratio: 1.71</a><br><a href="#">Failed</a> <sup>5</sup> | <a href="#">Ratio: 2.16</a><br><a href="#">Failed</a> <sup>5</sup> | <a href="#">Ratio: 1.17</a><br><a href="#">Failed</a> <sup>5</sup> |
| Hex(656187) | <a href="#">Ratio: 1.31</a><br><a href="#">Failed</a> <sup>5</sup> |                                                                    | <a href="#">Ratio: 1.26</a><br><a href="#">Failed</a> <sup>5</sup> | <a href="#">Ratio: 2.25</a><br><a href="#">Failed</a> <sup>5</sup> | <a href="#">Ratio: 2.85</a><br><a href="#">Failed</a> <sup>5</sup> | <a href="#">Ratio: 1.54</a><br><a href="#">Failed</a> <sup>5</sup> |
| Hex(5F5169) | <a href="#">Ratio: 1.04</a><br><a href="#">Failed</a> <sup>5</sup> | <a href="#">Ratio: 1.26</a><br><a href="#">Failed</a> <sup>5</sup> |                                                                    | <a href="#">Ratio: 1.78</a><br><a href="#">Failed</a> <sup>5</sup> | <a href="#">Ratio: 2.26</a><br><a href="#">Failed</a> <sup>5</sup> | <a href="#">Ratio: 1.22</a><br><a href="#">Failed</a> <sup>5</sup> |
| Hex(313036) | <a href="#">Ratio: 1.71</a><br><a href="#">Failed</a> <sup>5</sup> | <a href="#">Ratio: 2.25</a><br><a href="#">Failed</a> <sup>5</sup> | <a href="#">Ratio: 1.78</a><br><a href="#">Failed</a> <sup>5</sup> |                                                                    | <a href="#">Ratio: 1.27</a><br><a href="#">Failed</a> <sup>5</sup> | <a href="#">Ratio: 1.46</a><br><a href="#">Failed</a> <sup>5</sup> |
| Hex(0A0075) | <a href="#">Ratio: 2.16</a><br><a href="#">Failed</a> <sup>5</sup> | <a href="#">Ratio: 2.85</a><br><a href="#">Failed</a> <sup>5</sup> | <a href="#">Ratio: 2.26</a><br><a href="#">Failed</a> <sup>5</sup> | <a href="#">Ratio: 1.27</a><br><a href="#">Failed</a> <sup>5</sup> |                                                                    | <a href="#">Ratio: 1.85</a><br><a href="#">Failed</a> <sup>5</sup> |
| Hex(1500F5) | <a href="#">Ratio: 1.17</a><br><a href="#">Failed</a> <sup>5</sup> | <a href="#">Ratio: 1.54</a><br><a href="#">Failed</a> <sup>5</sup> | <a href="#">Ratio: 1.22</a><br><a href="#">Failed</a> <sup>5</sup> | <a href="#">Ratio: 1.46</a><br><a href="#">Failed</a> <sup>5</sup> | <a href="#">Ratio: 1.85</a><br><a href="#">Failed</a> <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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