

# Converting Colors - WCAG Matrix

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

**Hex(457799) Hex(367199) Hex(266B99) Hex(176499) Hex(085E99) Hex(005B99)**

| Hex(457799) |                                                           | <a href="#">Ratio: 1.09</a><br><b>Failed</b> <sup>5</sup> | <a href="#">Ratio: 1.19</a><br><b>Failed</b> <sup>5</sup> | <a href="#">Ratio: 1.31</a><br><b>Failed</b> <sup>5</sup> | <a href="#">Ratio: 1.42</a><br><b>Failed</b> <sup>5</sup> | <a href="#">Ratio: 1.47</a><br><b>Failed</b> <sup>5</sup> |
|-------------|-----------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|
| Hex(367199) | <a href="#">Ratio: 1.09</a><br><b>Failed</b> <sup>5</sup> |                                                           | <a href="#">Ratio: 1.09</a><br><b>Failed</b> <sup>5</sup> | <a href="#">Ratio: 1.20</a><br><b>Failed</b> <sup>5</sup> | <a href="#">Ratio: 1.30</a><br><b>Failed</b> <sup>5</sup> | <a href="#">Ratio: 1.35</a><br><b>Failed</b> <sup>5</sup> |
| Hex(266B99) | <a href="#">Ratio: 1.19</a><br><b>Failed</b> <sup>5</sup> | <a href="#">Ratio: 1.09</a><br><b>Failed</b> <sup>5</sup> |                                                           | <a href="#">Ratio: 1.10</a><br><b>Failed</b> <sup>5</sup> | <a href="#">Ratio: 1.19</a><br><b>Failed</b> <sup>5</sup> | <a href="#">Ratio: 1.23</a><br><b>Failed</b> <sup>5</sup> |
| Hex(176499) | <a href="#">Ratio: 1.31</a><br><b>Failed</b> <sup>5</sup> | <a href="#">Ratio: 1.20</a><br><b>Failed</b> <sup>5</sup> | <a href="#">Ratio: 1.10</a><br><b>Failed</b> <sup>5</sup> |                                                           | <a href="#">Ratio: 1.08</a><br><b>Failed</b> <sup>5</sup> | <a href="#">Ratio: 1.12</a><br><b>Failed</b> <sup>5</sup> |
| Hex(085E99) | <a href="#">Ratio: 1.42</a><br><b>Failed</b> <sup>5</sup> | <a href="#">Ratio: 1.30</a><br><b>Failed</b> <sup>5</sup> | <a href="#">Ratio: 1.19</a><br><b>Failed</b> <sup>5</sup> | <a href="#">Ratio: 1.08</a><br><b>Failed</b> <sup>5</sup> |                                                           | <a href="#">Ratio: 1.04</a><br><b>Failed</b> <sup>5</sup> |
| Hex(005B99) | <a href="#">Ratio: 1.47</a><br><b>Failed</b> <sup>5</sup> | <a href="#">Ratio: 1.35</a><br><b>Failed</b> <sup>5</sup> | <a href="#">Ratio: 1.23</a><br><b>Failed</b> <sup>5</sup> | <a href="#">Ratio: 1.12</a><br><b>Failed</b> <sup>5</sup> | <a href="#">Ratio: 1.04</a><br><b>Failed</b> <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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