

# Converting Colors - WCAG Matrix

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

**Hex(334099) Hex(243299) Hex(142599) Hex(051899) Hex(001399)**

|             | Hex(334099)                                        | Hex(243299)                                        | Hex(142599)                                        | Hex(051899)                                        | Hex(001399)                                        |
|-------------|----------------------------------------------------|----------------------------------------------------|----------------------------------------------------|----------------------------------------------------|----------------------------------------------------|
| Hex(334099) |                                                    | Ratio: <a href="#">1.17</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.33</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.46</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.50</a><br>Failed <sup>5</sup> |
| Hex(243299) | Ratio: <a href="#">1.17</a><br>Failed <sup>5</sup> |                                                    | Ratio: <a href="#">1.13</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.25</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.28</a><br>Failed <sup>5</sup> |
| Hex(142599) | Ratio: <a href="#">1.33</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.13</a><br>Failed <sup>5</sup> |                                                    | Ratio: <a href="#">1.10</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.13</a><br>Failed <sup>5</sup> |
| Hex(051899) | Ratio: <a href="#">1.46</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.25</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.10</a><br>Failed <sup>5</sup> |                                                    | Ratio: <a href="#">1.03</a><br>Failed <sup>5</sup> |
| Hex(001399) | Ratio: <a href="#">1.50</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.28</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.13</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.03</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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