

# Converting Colors - WCAG Matrix

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

**Hex(4493A3) Hex(348FA3) Hex(238DA3) Hex(1389A3) Hex(0386A3) Hex(0088A3)**

| <b>Hex(4493A3)</b> |                                                           | <a href="#">Ratio: 1.06</a><br><b>Failed</b> <sup>5</sup> | <a href="#">Ratio: 1.10</a><br><b>Failed</b> <sup>5</sup> | <a href="#">Ratio: 1.16</a><br><b>Failed</b> <sup>5</sup> | <a href="#">Ratio: 1.20</a><br><b>Failed</b> <sup>5</sup> | <a href="#">Ratio: 1.18</a><br><b>Failed</b> <sup>5</sup> |
|--------------------|-----------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|
| <b>Hex(348FA3)</b> | <a href="#">Ratio: 1.06</a><br><b>Failed</b> <sup>5</sup> |                                                           | <a href="#">Ratio: 1.04</a><br><b>Failed</b> <sup>5</sup> | <a href="#">Ratio: 1.09</a><br><b>Failed</b> <sup>5</sup> | <a href="#">Ratio: 1.13</a><br><b>Failed</b> <sup>5</sup> | <a href="#">Ratio: 1.11</a><br><b>Failed</b> <sup>5</sup> |
| <b>Hex(238DA3)</b> | <a href="#">Ratio: 1.10</a><br><b>Failed</b> <sup>5</sup> | <a href="#">Ratio: 1.04</a><br><b>Failed</b> <sup>5</sup> |                                                           | <a href="#">Ratio: 1.05</a><br><b>Failed</b> <sup>5</sup> | <a href="#">Ratio: 1.09</a><br><b>Failed</b> <sup>5</sup> | <a href="#">Ratio: 1.07</a><br><b>Failed</b> <sup>5</sup> |
| <b>Hex(1389A3)</b> | <a href="#">Ratio: 1.16</a><br><b>Failed</b> <sup>5</sup> | <a href="#">Ratio: 1.09</a><br><b>Failed</b> <sup>5</sup> | <a href="#">Ratio: 1.05</a><br><b>Failed</b> <sup>5</sup> |                                                           | <a href="#">Ratio: 1.04</a><br><b>Failed</b> <sup>5</sup> | <a href="#">Ratio: 1.02</a><br><b>Failed</b> <sup>5</sup> |
| <b>Hex(0386A3)</b> | <a href="#">Ratio: 1.20</a><br><b>Failed</b> <sup>5</sup> | <a href="#">Ratio: 1.13</a><br><b>Failed</b> <sup>5</sup> | <a href="#">Ratio: 1.09</a><br><b>Failed</b> <sup>5</sup> | <a href="#">Ratio: 1.04</a><br><b>Failed</b> <sup>5</sup> |                                                           | <a href="#">Ratio: 1.02</a><br><b>Failed</b> <sup>5</sup> |
| <b>Hex(0088A3)</b> | <a href="#">Ratio: 1.18</a><br><b>Failed</b> <sup>5</sup> | <a href="#">Ratio: 1.11</a><br><b>Failed</b> <sup>5</sup> | <a href="#">Ratio: 1.07</a><br><b>Failed</b> <sup>5</sup> | <a href="#">Ratio: 1.02</a><br><b>Failed</b> <sup>5</sup> | <a href="#">Ratio: 1.02</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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