

# Converting Colors - WCAG Matrix

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

**Hex(442B40) Hex(593253) Hex(443B2B) Hex(211E21) Hex(610051) Hex(E000BD)**

|             | Hex(442B40)                                                        | Hex(593253)                                                        | Hex(443B2B)                                                        | Hex(211E21)                                                         | Hex(610051)                                                         | Hex(E000BD)                                                         |
|-------------|--------------------------------------------------------------------|--------------------------------------------------------------------|--------------------------------------------------------------------|---------------------------------------------------------------------|---------------------------------------------------------------------|---------------------------------------------------------------------|
| Hex(442B40) |                                                                    | <a href="#">Ratio: 1.20</a><br><a href="#">Failed</a> <sup>5</sup> | <a href="#">Ratio: 1.14</a><br><a href="#">Failed</a> <sup>5</sup> | <a href="#">Ratio: 1.31</a><br><a href="#">Failed</a> <sup>5</sup>  | <a href="#">Ratio: 1.02</a><br><a href="#">Failed</a> <sup>5</sup>  | <a href="#">Ratio: 2.94</a><br><a href="#">Failed</a> <sup>5</sup>  |
| Hex(593253) | <a href="#">Ratio: 1.20</a><br><a href="#">Failed</a> <sup>5</sup> |                                                                    | <a href="#">Ratio: 1.05</a><br><a href="#">Failed</a> <sup>5</sup> | <a href="#">Ratio: 1.58</a><br><a href="#">Failed</a> <sup>5</sup>  | <a href="#">Ratio: 1.23</a><br><a href="#">Failed</a> <sup>5</sup>  | <a href="#">Ratio: 2.44</a><br><a href="#">Failed</a> <sup>5</sup>  |
| Hex(443B2B) | <a href="#">Ratio: 1.14</a><br><a href="#">Failed</a> <sup>5</sup> | <a href="#">Ratio: 1.05</a><br><a href="#">Failed</a> <sup>5</sup> |                                                                    | <a href="#">Ratio: 1.50</a><br><a href="#">Failed</a> <sup>5</sup>  | <a href="#">Ratio: 1.17</a><br><a href="#">Failed</a> <sup>5</sup>  | <a href="#">Ratio: 2.57</a><br><a href="#">Failed</a> <sup>5</sup>  |
| Hex(211E21) | <a href="#">Ratio: 1.31</a><br><a href="#">Failed</a> <sup>5</sup> | <a href="#">Ratio: 1.58</a><br><a href="#">Failed</a> <sup>5</sup> | <a href="#">Ratio: 1.50</a><br><a href="#">Failed</a> <sup>5</sup> |                                                                     | <a href="#">Ratio: 1.28</a><br><a href="#">Failed</a> <sup>5</sup>  | <a href="#">Ratio: 3.85</a><br><a href="#">AA 18pt</a> <sup>2</sup> |
| Hex(610051) | <a href="#">Ratio: 1.02</a><br><a href="#">Failed</a> <sup>5</sup> | <a href="#">Ratio: 1.23</a><br><a href="#">Failed</a> <sup>5</sup> | <a href="#">Ratio: 1.17</a><br><a href="#">Failed</a> <sup>5</sup> | <a href="#">Ratio: 1.28</a><br><a href="#">Failed</a> <sup>5</sup>  |                                                                     | <a href="#">Ratio: 3.01</a><br><a href="#">AA 18pt</a> <sup>2</sup> |
| Hex(E000BD) | <a href="#">Ratio: 2.94</a><br><a href="#">Failed</a> <sup>5</sup> | <a href="#">Ratio: 2.44</a><br><a href="#">Failed</a> <sup>5</sup> | <a href="#">Ratio: 2.57</a><br><a href="#">Failed</a> <sup>5</sup> | <a href="#">Ratio: 3.85</a><br><a href="#">AA 18pt</a> <sup>2</sup> | <a href="#">Ratio: 3.01</a><br><a href="#">AA 18pt</a> <sup>2</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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