

# Converting Colors - WCAG Matrix

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

**Hex(6E4463) Hex(8F4D7E) Hex(6E6444) Hex(383237) Hex(780058) Hex(F700B7)**

|             | Hex(6E4463)                                        | Hex(8F4D7E)                                        | Hex(6E6444)                                        | Hex(383237)                                         | Hex(780058)                                        | Hex(F700B7)                                         |
|-------------|----------------------------------------------------|----------------------------------------------------|----------------------------------------------------|-----------------------------------------------------|----------------------------------------------------|-----------------------------------------------------|
| Hex(6E4463) |                                                    | <a href="#">Ratio: 1.32</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.34</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.59</a><br>Failed <sup>5</sup>  | <a href="#">Ratio: 1.38</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 2.11</a><br>Failed <sup>5</sup>  |
| Hex(8F4D7E) | <a href="#">Ratio: 1.32</a><br>Failed <sup>5</sup> |                                                    | <a href="#">Ratio: 1.01</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 2.10</a><br>Failed <sup>5</sup>  | <a href="#">Ratio: 1.82</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.60</a><br>Failed <sup>5</sup>  |
| Hex(6E6444) | <a href="#">Ratio: 1.34</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.01</a><br>Failed <sup>5</sup> |                                                    | <a href="#">Ratio: 2.13</a><br>Failed <sup>5</sup>  | <a href="#">Ratio: 1.84</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.58</a><br>Failed <sup>5</sup>  |
| Hex(383237) | <a href="#">Ratio: 1.59</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 2.10</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 2.13</a><br>Failed <sup>5</sup> |                                                     | <a href="#">Ratio: 1.15</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 3.36</a><br>AA 18pt <sup>2</sup> |
| Hex(780058) | <a href="#">Ratio: 1.38</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.82</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.84</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.15</a><br>Failed <sup>5</sup>  |                                                    | <a href="#">Ratio: 2.91</a><br>Failed <sup>5</sup>  |
| Hex(F700B7) | <a href="#">Ratio: 2.11</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.60</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.58</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 3.36</a><br>AA 18pt <sup>2</sup> | <a href="#">Ratio: 2.91</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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