

# Converting Colors - WCAG Matrix

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

**Hex(624E5C) Hex(806176) Hex(624E52) Hex(302C2F) Hex(70004C) Hex(F000A2)**

|             | Hex(624E5C)  | Hex(806176)  | Hex(624E52)  | Hex(302C2F)   | Hex(70004C)  | Hex(F000A2)   |
|-------------|--|--|--|---|--|---|
| Hex(624E5C) |  | <a href="#">Ratio: 1.41</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.01</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.81</a><br>Failed <sup>5</sup>  | <a href="#">Ratio: 1.54</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.89</a><br>Failed <sup>5</sup>  |
| Hex(806176) | <a href="#">Ratio: 1.41</a><br>Failed <sup>5</sup> |  | <a href="#">Ratio: 1.42</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 2.55</a><br>Failed <sup>5</sup>  | <a href="#">Ratio: 2.17</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.34</a><br>Failed <sup>5</sup>  |
| Hex(624E52) | <a href="#">Ratio: 1.01</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.42</a><br>Failed <sup>5</sup> |  | <a href="#">Ratio: 1.79</a><br>Failed <sup>5</sup>  | <a href="#">Ratio: 1.52</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.91</a><br>Failed <sup>5</sup>  |
| Hex(302C2F) | <a href="#">Ratio: 1.81</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 2.55</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.79</a><br>Failed <sup>5</sup> |   | <a href="#">Ratio: 1.17</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 3.42</a><br>AA 18pt <sup>2</sup> |
| Hex(70004C) | <a href="#">Ratio: 1.54</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 2.17</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.52</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.17</a><br>Failed <sup>5</sup>  |  | <a href="#">Ratio: 2.91</a><br>Failed <sup>5</sup>  |
| Hex(F000A2) | <a href="#">Ratio: 1.89</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.34</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.91</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 3.42</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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