

# Converting Colors - WCAG Matrix

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

**Hex(FF0264) Hex(FF0062) Hex(FF1B02) Hex(807378) Hex(BF004A) Hex(400019)**

|             | Hex(FF0264)                                         | Hex(FF0062)                                         | Hex(FF1B02)                                         | Hex(807378)                                         | Hex(BF004A)                                        | Hex(400019)                                         |
|-------------|-----------------------------------------------------|-----------------------------------------------------|-----------------------------------------------------|-----------------------------------------------------|----------------------------------------------------|-----------------------------------------------------|
| Hex(FF0264) |                                                     | <a href="#">Ratio: 1.00</a><br>Failed <sup>5</sup>  | <a href="#">Ratio: 1.01</a><br>Failed <sup>5</sup>  | <a href="#">Ratio: 1.17</a><br>Failed <sup>5</sup>  | <a href="#">Ratio: 1.64</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 4.42</a><br>AA 18pt <sup>2</sup> |
| Hex(FF0062) | <a href="#">Ratio: 1.00</a><br>Failed <sup>5</sup>  |                                                     | <a href="#">Ratio: 1.00</a><br>Failed <sup>5</sup>  | <a href="#">Ratio: 1.17</a><br>Failed <sup>5</sup>  | <a href="#">Ratio: 1.64</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 4.41</a><br>AA 18pt <sup>2</sup> |
| Hex(FF1B02) | <a href="#">Ratio: 1.01</a><br>Failed <sup>5</sup>  | <a href="#">Ratio: 1.00</a><br>Failed <sup>5</sup>  |                                                     | <a href="#">Ratio: 1.17</a><br>Failed <sup>5</sup>  | <a href="#">Ratio: 1.63</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 4.39</a><br>AA 18pt <sup>2</sup> |
| Hex(807378) | <a href="#">Ratio: 1.17</a><br>Failed <sup>5</sup>  | <a href="#">Ratio: 1.17</a><br>Failed <sup>5</sup>  | <a href="#">Ratio: 1.17</a><br>Failed <sup>5</sup>  |                                                     | <a href="#">Ratio: 1.40</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 3.77</a><br>AA 18pt <sup>2</sup> |
| Hex(BF004A) | <a href="#">Ratio: 1.64</a><br>Failed <sup>5</sup>  | <a href="#">Ratio: 1.64</a><br>Failed <sup>5</sup>  | <a href="#">Ratio: 1.63</a><br>Failed <sup>5</sup>  | <a href="#">Ratio: 1.40</a><br>Failed <sup>5</sup>  |                                                    | <a href="#">Ratio: 2.69</a><br>Failed <sup>5</sup>  |
| Hex(400019) | <a href="#">Ratio: 4.42</a><br>AA 18pt <sup>2</sup> | <a href="#">Ratio: 4.41</a><br>AA 18pt <sup>2</sup> | <a href="#">Ratio: 4.39</a><br>AA 18pt <sup>2</sup> | <a href="#">Ratio: 3.77</a><br>AA 18pt <sup>2</sup> | <a href="#">Ratio: 2.69</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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