

# Converting Colors - WCAG Matrix

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

**Hex(CFA9C0) Hex(FFC7E9) Hex(CFCBA9) Hex(695E64) Hex(A80066) Hex(290019)**

| Hex(CFA9C0) |                                                     | Ratio: <a href="#">1.45</a><br>Failed <sup>5</sup>                      | Ratio: <a href="#">1.27</a><br>Failed <sup>5</sup>  | Ratio: <a href="#">2.98</a><br>Failed <sup>5</sup>  | Ratio: <a href="#">3.53</a><br>AA 18pt <sup>2</sup>                     | Ratio: <a href="#">9.10</a><br>Passed <sup>6</sup>  |
|-------------|-----------------------------------------------------|-------------------------------------------------------------------------|-----------------------------------------------------|-----------------------------------------------------|-------------------------------------------------------------------------|-----------------------------------------------------|
| Hex(FFC7E9) | Ratio: <a href="#">1.45</a><br>Failed <sup>5</sup>  |                                                                         | Ratio: <a href="#">1.14</a><br>Failed <sup>5</sup>  | Ratio: <a href="#">4.31</a><br>AA 18pt <sup>2</sup> | Ratio: <a href="#">5.11</a><br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: <a href="#">13.17</a><br>Passed <sup>6</sup> |
| Hex(CFCBA9) | Ratio: <a href="#">1.27</a><br>Failed <sup>5</sup>  | Ratio: <a href="#">1.14</a><br>Failed <sup>5</sup>                      |                                                     | Ratio: <a href="#">3.77</a><br>AA 18pt <sup>2</sup> | Ratio: <a href="#">4.47</a><br>AA 18pt <sup>2</sup>                     | Ratio: <a href="#">11.52</a><br>Passed <sup>6</sup> |
| Hex(695E64) | Ratio: <a href="#">2.98</a><br>Failed <sup>5</sup>  | Ratio: <a href="#">4.31</a><br>AA 18pt <sup>2</sup>                     | Ratio: <a href="#">3.77</a><br>AA 18pt <sup>2</sup> |                                                     | Ratio: <a href="#">1.19</a><br>Failed <sup>5</sup>                      | Ratio: <a href="#">3.05</a><br>AA 18pt <sup>2</sup> |
| Hex(A80066) | Ratio: <a href="#">3.53</a><br>AA 18pt <sup>2</sup> | Ratio: <a href="#">5.11</a><br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: <a href="#">4.47</a><br>AA 18pt <sup>2</sup> | Ratio: <a href="#">1.19</a><br>Failed <sup>5</sup>  |                                                                         | Ratio: <a href="#">2.58</a><br>Failed <sup>5</sup>  |
| Hex(290019) | Ratio: <a href="#">9.10</a><br>Passed <sup>6</sup>  | Ratio: <a href="#">13.17</a><br>Passed <sup>6</sup>                     | Ratio: <a href="#">11.52</a><br>Passed <sup>6</sup> | Ratio: <a href="#">3.05</a><br>AA 18pt <sup>2</sup> | Ratio: <a href="#">2.58</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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