

# Converting Colors - WCAG Matrix

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

Hex(C0A8A9) Hex(FAD4D6) Hex(A8B5C0) Hex(615758) Hex(A10007) Hex(210001)

|             | Hex(C0A8A9)                                         | Hex(FAD4D6)                                                             | Hex(A8B5C0)                                         | Hex(615758)                                                             | Hex(A10007)                                                             | Hex(210001)                                         |
|-------------|-----------------------------------------------------|-------------------------------------------------------------------------|-----------------------------------------------------|-------------------------------------------------------------------------|-------------------------------------------------------------------------|-----------------------------------------------------|
| Hex(C0A8A9) |                                                     | Ratio: <a href="#">1.64</a><br>Failed <sup>5</sup>                      | Ratio: <a href="#">1.07</a><br>Failed <sup>5</sup>  | Ratio: <a href="#">3.13</a><br>AA 18pt <sup>2</sup>                     | Ratio: <a href="#">3.74</a><br>AA 18pt <sup>2</sup>                     | Ratio: <a href="#">8.84</a><br>Passed <sup>6</sup>  |
| Hex(FAD4D6) | Ratio: <a href="#">1.64</a><br>Failed <sup>5</sup>  |                                                                         | Ratio: <a href="#">1.54</a><br>Failed <sup>5</sup>  | Ratio: <a href="#">5.13</a><br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: <a href="#">6.14</a><br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: <a href="#">14.51</a><br>Passed <sup>6</sup> |
| Hex(A8B5C0) | Ratio: <a href="#">1.07</a><br>Failed <sup>5</sup>  | Ratio: <a href="#">1.54</a><br>Failed <sup>5</sup>                      |                                                     | Ratio: <a href="#">3.33</a><br>AA 18pt <sup>2</sup>                     | Ratio: <a href="#">3.98</a><br>AA 18pt <sup>2</sup>                     | Ratio: <a href="#">9.42</a><br>Passed <sup>6</sup>  |
| Hex(615758) | Ratio: <a href="#">3.13</a><br>AA 18pt <sup>2</sup> | Ratio: <a href="#">5.13</a><br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: <a href="#">3.33</a><br>AA 18pt <sup>2</sup> |                                                                         | Ratio: <a href="#">1.20</a><br>Failed <sup>5</sup>                      | Ratio: <a href="#">2.83</a><br>Failed <sup>5</sup>  |
| Hex(A10007) | Ratio: <a href="#">3.74</a><br>AA 18pt <sup>2</sup> | Ratio: <a href="#">6.14</a><br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: <a href="#">3.98</a><br>AA 18pt <sup>2</sup> | Ratio: <a href="#">1.20</a><br>Failed <sup>5</sup>                      |                                                                         | Ratio: <a href="#">2.36</a><br>Failed <sup>5</sup>  |
| Hex(210001) | Ratio: <a href="#">8.84</a><br>Passed <sup>6</sup>  | Ratio: <a href="#">14.51</a><br>Passed <sup>6</sup>                     | Ratio: <a href="#">9.42</a><br>Passed <sup>6</sup>  | Ratio: <a href="#">2.83</a><br>Failed <sup>5</sup>                      | Ratio: <a href="#">2.36</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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