

# Converting Colors - WCAG Matrix

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

Hex(C691C2) Hex(FFADF9) Hex(A8C691) Hex(635A63) Hex(A30097) Hex(240021)

|             | Hex(C691C2)                        | Hex(FFADF9)                         | Hex(A8C691)                         | Hex(635A63)                         | Hex(A30097)                         | Hex(240021)                         |
|-------------|------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| Hex(C691C2) |                                    | Ratio: 1.53<br>Failed <sup>5</sup>  | Ratio: 1.35<br>Failed <sup>5</sup>  | Ratio: 2.59<br>Failed <sup>5</sup>  | Ratio: 2.74<br>Failed <sup>5</sup>  | Ratio: 7.50<br>Passed <sup>6</sup>  |
| Hex(FFADF9) | Ratio: 1.53<br>Failed <sup>5</sup> |                                     | Ratio: 1.13<br>Failed <sup>5</sup>  | Ratio: 3.97<br>AA 18pt <sup>2</sup> | Ratio: 4.19<br>AA 18pt <sup>2</sup> | Ratio: 11.48<br>Passed <sup>6</sup> |
| Hex(A8C691) | Ratio: 1.35<br>Failed <sup>5</sup> | Ratio: 1.13<br>Failed <sup>5</sup>  |                                     | Ratio: 3.51<br>AA 18pt <sup>2</sup> | Ratio: 3.71<br>AA 18pt <sup>2</sup> | Ratio: 10.17<br>Passed <sup>6</sup> |
| Hex(635A63) | Ratio: 2.59<br>Failed <sup>5</sup> | Ratio: 3.97<br>AA 18pt <sup>2</sup> | Ratio: 3.51<br>AA 18pt <sup>2</sup> |                                     | Ratio: 1.06<br>Failed <sup>5</sup>  | Ratio: 2.89<br>Failed <sup>5</sup>  |
| Hex(A30097) | Ratio: 2.74<br>Failed <sup>5</sup> | Ratio: 4.19<br>AA 18pt <sup>2</sup> | Ratio: 3.71<br>AA 18pt <sup>2</sup> | Ratio: 1.06<br>Failed <sup>5</sup>  |                                     | Ratio: 2.74<br>Failed <sup>5</sup>  |
| Hex(240021) | Ratio: 7.50<br>Passed <sup>6</sup> | Ratio: 11.48<br>Passed <sup>6</sup> | Ratio: 10.17<br>Passed <sup>6</sup> | Ratio: 2.89<br>Failed <sup>5</sup>  | Ratio: 2.74<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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