

# Converting Colors - WCAG Matrix

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

Hex(C59BC3) Hex(FFBFFD) Hex(C59BAF) Hex(635A63) Hex(A3009E) Hex(240023)

|             | Hex(C59BC3)                        | Hex(FFBFFD)                                             | Hex(C59BAF)                        | Hex(635A63)                         | Hex(A3009E)                                             | Hex(240023)                         |
|-------------|------------------------------------|---------------------------------------------------------|------------------------------------|-------------------------------------|---------------------------------------------------------|-------------------------------------|
| Hex(C59BC3) |                                    | Ratio: 1.60<br>Failed <sup>5</sup>                      | Ratio: 1.02<br>Failed <sup>5</sup> | Ratio: 2.79<br>Failed <sup>5</sup>  | Ratio: 2.90<br>Failed <sup>5</sup>                      | Ratio: 8.05<br>Passed <sup>6</sup>  |
| Hex(FFBFFD) | Ratio: 1.60<br>Failed <sup>5</sup> |                                                         | Ratio: 1.63<br>Failed <sup>5</sup> | Ratio: 4.45<br>AA 18pt <sup>2</sup> | Ratio: 4.63<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 12.85<br>Passed <sup>6</sup> |
| Hex(C59BAF) | Ratio: 1.02<br>Failed <sup>5</sup> | Ratio: 1.63<br>Failed <sup>5</sup>                      |                                    | Ratio: 2.74<br>Failed <sup>5</sup>  | Ratio: 2.85<br>Failed <sup>5</sup>                      | Ratio: 7.90<br>Passed <sup>6</sup>  |
| Hex(635A63) | Ratio: 2.79<br>Failed <sup>5</sup> | Ratio: 4.45<br>AA 18pt <sup>2</sup>                     | Ratio: 2.74<br>Failed <sup>5</sup> |                                     | Ratio: 1.04<br>Failed <sup>5</sup>                      | Ratio: 2.89<br>Failed <sup>5</sup>  |
| Hex(A3009E) | Ratio: 2.90<br>Failed <sup>5</sup> | Ratio: 4.63<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 2.85<br>Failed <sup>5</sup> | Ratio: 1.04<br>Failed <sup>5</sup>  |                                                         | Ratio: 2.78<br>Failed <sup>5</sup>  |
| Hex(240023) | Ratio: 8.05<br>Passed <sup>6</sup> | Ratio: 12.85<br>Passed <sup>6</sup>                     | Ratio: 7.90<br>Passed <sup>6</sup> | Ratio: 2.89<br>Failed <sup>5</sup>  | Ratio: 2.78<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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