

# Converting Colors - WCAG Matrix

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

Hex(B3006B) Hex(E8008B) Hex(B3A100) Hex(595056) Hex(99005B) Hex(1A000F)

|             | Hex(B3006B)                        | Hex(E8008B)                                             | Hex(B3A100)                         | Hex(595056)                        | Hex(99005B)                         | Hex(1A000F)                                             |
|-------------|------------------------------------|---------------------------------------------------------|-------------------------------------|------------------------------------|-------------------------------------|---------------------------------------------------------|
| Hex(B3006B) |                                    | Ratio: 1.54<br>Failed <sup>5</sup>                      | Ratio: 2.56<br>Failed <sup>5</sup>  | Ratio: 1.16<br>Failed <sup>5</sup> | Ratio: 1.25<br>Failed <sup>5</sup>  | Ratio: 2.98<br>Failed <sup>5</sup>                      |
| Hex(E8008B) | Ratio: 1.54<br>Failed <sup>5</sup> |                                                         | Ratio: 1.67<br>Failed <sup>5</sup>  | Ratio: 1.77<br>Failed <sup>5</sup> | Ratio: 1.92<br>Failed <sup>5</sup>  | Ratio: 4.57<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(B3A100) | Ratio: 2.56<br>Failed <sup>5</sup> | Ratio: 1.67<br>Failed <sup>5</sup>                      |                                     | Ratio: 2.96<br>Failed <sup>5</sup> | Ratio: 3.20<br>AA 18pt <sup>2</sup> | Ratio: 7.63<br>Passed <sup>6</sup>                      |
| Hex(595056) | Ratio: 1.16<br>Failed <sup>5</sup> | Ratio: 1.77<br>Failed <sup>5</sup>                      | Ratio: 2.96<br>Failed <sup>5</sup>  |                                    | Ratio: 1.08<br>Failed <sup>5</sup>  | Ratio: 2.58<br>Failed <sup>5</sup>                      |
| Hex(99005B) | Ratio: 1.25<br>Failed <sup>5</sup> | Ratio: 1.92<br>Failed <sup>5</sup>                      | Ratio: 3.20<br>AA 18pt <sup>2</sup> | Ratio: 1.08<br>Failed <sup>5</sup> |                                     | Ratio: 2.38<br>Failed <sup>5</sup>                      |
| Hex(1A000F) | Ratio: 2.98<br>Failed <sup>5</sup> | Ratio: 4.57<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 7.63<br>Passed <sup>6</sup>  | Ratio: 2.58<br>Failed <sup>5</sup> | Ratio: 2.38<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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