

# Converting Colors - WCAG Matrix

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

Hex(930058) Hex(BF0072) Hex(938400) Hex(4A4347) Hex(8A0052) Hex(0A0006)

|             | Hex(930058)                        | Hex(BF0072)                         | Hex(938400)                                             | Hex(4A4347)                        | Hex(8A0052)                        | Hex(0A0006)                                             |
|-------------|------------------------------------|-------------------------------------|---------------------------------------------------------|------------------------------------|------------------------------------|---------------------------------------------------------|
| Hex(930058) |                                    | Ratio: 1.45<br>Failed <sup>5</sup>  | Ratio: 2.33<br>Failed <sup>5</sup>                      | Ratio: 1.09<br>Failed <sup>5</sup> | Ratio: 1.08<br>Failed <sup>5</sup> | Ratio: 2.35<br>Failed <sup>5</sup>                      |
| Hex(BF0072) | Ratio: 1.45<br>Failed <sup>5</sup> |                                     | Ratio: 1.60<br>Failed <sup>5</sup>                      | Ratio: 1.58<br>Failed <sup>5</sup> | Ratio: 1.57<br>Failed <sup>5</sup> | Ratio: 3.41<br>AA 18pt <sup>2</sup>                     |
| Hex(938400) | Ratio: 2.33<br>Failed <sup>5</sup> | Ratio: 1.60<br>Failed <sup>5</sup>  |                                                         | Ratio: 2.54<br>Failed <sup>5</sup> | Ratio: 2.52<br>Failed <sup>5</sup> | Ratio: 5.46<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(4A4347) | Ratio: 1.09<br>Failed <sup>5</sup> | Ratio: 1.58<br>Failed <sup>5</sup>  | Ratio: 2.54<br>Failed <sup>5</sup>                      |                                    | Ratio: 1.01<br>Failed <sup>5</sup> | Ratio: 2.15<br>Failed <sup>5</sup>                      |
| Hex(8A0052) | Ratio: 1.08<br>Failed <sup>5</sup> | Ratio: 1.57<br>Failed <sup>5</sup>  | Ratio: 2.52<br>Failed <sup>5</sup>                      | Ratio: 1.01<br>Failed <sup>5</sup> |                                    | Ratio: 2.17<br>Failed <sup>5</sup>                      |
| Hex(0A0006) | Ratio: 2.35<br>Failed <sup>5</sup> | Ratio: 3.41<br>AA 18pt <sup>2</sup> | Ratio: 5.46<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 2.15<br>Failed <sup>5</sup> | Ratio: 2.17<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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