

# Converting Colors - WCAG Matrix

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

**Hex(93255F) Hex(BF136F) Hex(93252A) Hex(4A4346) Hex(8A0049) Hex(0A0005)**

|             | Hex(93255F)                        | Hex(BF136F)                         | Hex(93252A)                        | Hex(4A4346)                        | Hex(8A0049)                        | Hex(0A0005)                         |
|-------------|------------------------------------|-------------------------------------|------------------------------------|------------------------------------|------------------------------------|-------------------------------------|
| Hex(93255F) |                                    | Ratio: 1.32<br>Failed <sup>5</sup>  | Ratio: 1.05<br>Failed <sup>5</sup> | Ratio: 1.22<br>Failed <sup>5</sup> | Ratio: 1.23<br>Failed <sup>5</sup> | Ratio: 2.63<br>Failed <sup>5</sup>  |
| Hex(BF136F) | Ratio: 1.32<br>Failed <sup>5</sup> |                                     | Ratio: 1.39<br>Failed <sup>5</sup> | Ratio: 1.62<br>Failed <sup>5</sup> | Ratio: 1.63<br>Failed <sup>5</sup> | Ratio: 3.49<br>AA 18pt <sup>2</sup> |
| Hex(93252A) | Ratio: 1.05<br>Failed <sup>5</sup> | Ratio: 1.39<br>Failed <sup>5</sup>  |                                    | Ratio: 1.16<br>Failed <sup>5</sup> | Ratio: 1.17<br>Failed <sup>5</sup> | Ratio: 2.50<br>Failed <sup>5</sup>  |
| Hex(4A4346) | Ratio: 1.22<br>Failed <sup>5</sup> | Ratio: 1.62<br>Failed <sup>5</sup>  | Ratio: 1.16<br>Failed <sup>5</sup> |                                    | Ratio: 1.00<br>Failed <sup>5</sup> | Ratio: 2.15<br>Failed <sup>5</sup>  |
| Hex(8A0049) | Ratio: 1.23<br>Failed <sup>5</sup> | Ratio: 1.63<br>Failed <sup>5</sup>  | Ratio: 1.17<br>Failed <sup>5</sup> | Ratio: 1.00<br>Failed <sup>5</sup> |                                    | Ratio: 2.14<br>Failed <sup>5</sup>  |
| Hex(0A0005) | Ratio: 2.63<br>Failed <sup>5</sup> | Ratio: 3.49<br>AA 18pt <sup>2</sup> | Ratio: 2.50<br>Failed <sup>5</sup> | Ratio: 2.15<br>Failed <sup>5</sup> | Ratio: 2.14<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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