

# Converting Colors - WCAG Matrix

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

**Hex(4E4693) Hex(5449BF) Hex(734693) Hex(43434A) Hex(0D008A) Hex(01000A)**

|             | Hex(4E4693)                        | Hex(5449BF)                         | Hex(734693)                         | Hex(43434A)                        | Hex(0D008A)                        | Hex(01000A)                         |
|-------------|------------------------------------|-------------------------------------|-------------------------------------|------------------------------------|------------------------------------|-------------------------------------|
| Hex(4E4693) |                                    | Ratio: 1.18<br>Failed <sup>5</sup>  | Ratio: 1.15<br>Failed <sup>5</sup>  | Ratio: 1.22<br>Failed <sup>5</sup> | Ratio: 1.89<br>Failed <sup>5</sup> | Ratio: 2.61<br>Failed <sup>5</sup>  |
| Hex(5449BF) | Ratio: 1.18<br>Failed <sup>5</sup> |                                     | Ratio: 1.02<br>Failed <sup>5</sup>  | Ratio: 1.44<br>Failed <sup>5</sup> | Ratio: 2.23<br>Failed <sup>5</sup> | Ratio: 3.07<br>AA 18pt <sup>2</sup> |
| Hex(734693) | Ratio: 1.15<br>Failed <sup>5</sup> | Ratio: 1.02<br>Failed <sup>5</sup>  |                                     | Ratio: 1.41<br>Failed <sup>5</sup> | Ratio: 2.19<br>Failed <sup>5</sup> | Ratio: 3.01<br>AA 18pt <sup>2</sup> |
| Hex(43434A) | Ratio: 1.22<br>Failed <sup>5</sup> | Ratio: 1.44<br>Failed <sup>5</sup>  | Ratio: 1.41<br>Failed <sup>5</sup>  |                                    | Ratio: 1.55<br>Failed <sup>5</sup> | Ratio: 2.13<br>Failed <sup>5</sup>  |
| Hex(0D008A) | Ratio: 1.89<br>Failed <sup>5</sup> | Ratio: 2.23<br>Failed <sup>5</sup>  | Ratio: 2.19<br>Failed <sup>5</sup>  | Ratio: 1.55<br>Failed <sup>5</sup> |                                    | Ratio: 1.38<br>Failed <sup>5</sup>  |
| Hex(01000A) | Ratio: 2.61<br>Failed <sup>5</sup> | Ratio: 3.07<br>AA 18pt <sup>2</sup> | Ratio: 3.01<br>AA 18pt <sup>2</sup> | Ratio: 2.13<br>Failed <sup>5</sup> | Ratio: 1.38<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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