

# Converting Colors - WCAG Matrix

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

**Hex(960002) Hex(C40003) Hex(004E96) Hex(4A4343) Hex(8A0002) Hex(0A0000)**

	Hex(960002)	Hex(C40003)	Hex(004E96)	Hex(4A4343)	Hex(8A0002)	Hex(0A0000)
Hex(960002)		Ratio: 1.46 Failed <sup>5</sup>	Ratio: 1.10 Failed <sup>5</sup>	Ratio: 1.06 Failed <sup>5</sup>	Ratio: 1.10 Failed <sup>5</sup>	Ratio: 2.27 Failed <sup>5</sup>
Hex(C40003)	Ratio: 1.46 Failed <sup>5</sup>		Ratio: 1.32 Failed <sup>5</sup>	Ratio: 1.54 Failed <sup>5</sup>	Ratio: 1.61 Failed <sup>5</sup>	Ratio: 3.31 AA 18pt <sup>2</sup>
Hex(004E96)	Ratio: 1.10 Failed <sup>5</sup>	Ratio: 1.32 Failed <sup>5</sup>		Ratio: 1.16 Failed <sup>5</sup>	Ratio: 1.22 Failed <sup>5</sup>	Ratio: 2.50 Failed <sup>5</sup>
Hex(4A4343)	Ratio: 1.06 Failed <sup>5</sup>	Ratio: 1.54 Failed <sup>5</sup>	Ratio: 1.16 Failed <sup>5</sup>		Ratio: 1.04 Failed <sup>5</sup>	Ratio: 2.15 Failed <sup>5</sup>
Hex(8A0002)	Ratio: 1.10 Failed <sup>5</sup>	Ratio: 1.61 Failed <sup>5</sup>	Ratio: 1.22 Failed <sup>5</sup>	Ratio: 1.04 Failed <sup>5</sup>		Ratio: 2.05 Failed <sup>5</sup>
Hex(0A0000)	Ratio: 2.27 Failed <sup>5</sup>	Ratio: 3.31 AA 18pt <sup>2</sup>	Ratio: 2.50 Failed <sup>5</sup>	Ratio: 2.15 Failed <sup>5</sup>	Ratio: 2.05 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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