

# Converting Colors - WCAG Matrix

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

Hex(CF136A) Hex(B00052) Hex(92003B) Hex(740026) Hex(570011) Hex(3A0002) Hex(110000) Hex(000000)

	Hex(CF136A)	Hex(B00052)	Hex(92003B)	Hex(740026)	Hex(570011)	Hex(3A0002)	Hex(110000)	Hex(000000)
Hex(CF136A)		Ratio: 1.33 Failed <sup>5</sup>	Ratio: 1.73 Failed <sup>5</sup>	Ratio: 2.23 Failed <sup>5</sup>	Ratio: 2.80 Failed <sup>5</sup>	Ratio: 3.35 AA 18pt <sup>2</sup>	Ratio: 3.86 AA 18pt <sup>2</sup>	Ratio: 3.95 AA 18pt <sup>2</sup>
Hex(B00052)	Ratio: 1.33 Failed <sup>5</sup>		Ratio: 1.30 Failed <sup>5</sup>	Ratio: 1.68 Failed <sup>5</sup>	Ratio: 2.10 Failed <sup>5</sup>	Ratio: 2.51 Failed <sup>5</sup>	Ratio: 2.90 Failed <sup>5</sup>	Ratio: 2.97 Failed <sup>5</sup>
Hex(92003B)	Ratio: 1.73 Failed <sup>5</sup>	Ratio: 1.30 Failed <sup>5</sup>		Ratio: 1.29 Failed <sup>5</sup>	Ratio: 1.62 Failed <sup>5</sup>	Ratio: 1.94 Failed <sup>5</sup>	Ratio: 2.23 Failed <sup>5</sup>	Ratio: 2.29 Failed <sup>5</sup>
Hex(740026)	Ratio: 2.23 Failed <sup>5</sup>	Ratio: 1.68 Failed <sup>5</sup>	Ratio: 1.29 Failed <sup>5</sup>		Ratio: 1.25 Failed <sup>5</sup>	Ratio: 1.50 Failed <sup>5</sup>	Ratio: 1.73 Failed <sup>5</sup>	Ratio: 1.77 Failed <sup>5</sup>
Hex(570011)	Ratio: 2.80 Failed <sup>5</sup>	Ratio: 2.10 Failed <sup>5</sup>	Ratio: 1.62 Failed <sup>5</sup>	Ratio: 1.25 Failed <sup>5</sup>		Ratio: 1.20 Failed <sup>5</sup>	Ratio: 1.38 Failed <sup>5</sup>	Ratio: 1.41 Failed <sup>5</sup>
Hex(3A0002)	Ratio: 3.35 AA 18pt <sup>2</sup>	Ratio: 2.51 Failed <sup>5</sup>	Ratio: 1.94 Failed <sup>5</sup>	Ratio: 1.50 Failed <sup>5</sup>	Ratio: 1.20 Failed <sup>5</sup>		Ratio: 1.15 Failed <sup>5</sup>	Ratio: 1.18 Failed <sup>5</sup>
Hex(110000)	Ratio: 3.86 AA 18pt <sup>2</sup>	Ratio: 2.90 Failed <sup>5</sup>	Ratio: 2.23 Failed <sup>5</sup>	Ratio: 1.73 Failed <sup>5</sup>	Ratio: 1.38 Failed <sup>5</sup>	Ratio: 1.15 Failed <sup>5</sup>		Ratio: 1.02 Failed <sup>5</sup>
Hex(000000)	Ratio: 3.95 AA 18pt <sup>2</sup>	Ratio: 2.97 Failed <sup>5</sup>	Ratio: 2.29 Failed <sup>5</sup>	Ratio: 1.77 Failed <sup>5</sup>	Ratio: 1.41 Failed <sup>5</sup>	Ratio: 1.18 Failed <sup>5</sup>	Ratio: 1.02 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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