

Converting Colors - WCAG Matrix

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

	Hex(CE1037)	Hex(AE0022)	Hex(8F000D)	Hex(700000)	Hex(510002)	Hex(330002)	Hex(000000)
Hex(CE1037)		Ratio: 1.33 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 2.22 Failed ⁵	Ratio: 2.78 Failed ⁵	Ratio: 3.29 AA 18pt ²	Ratio: 3.75 AA 18pt ²
Hex(AE0022)	Ratio: 1.33 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.47 Failed ⁵	Ratio: 2.82 Failed ⁵
Hex(8F000D)	Ratio: 1.73 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.29 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.17 Failed ⁵
Hex(700000)	Ratio: 2.22 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.29 Failed ⁵		Ratio: 1.25 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.69 Failed ⁵
Hex(510002)	Ratio: 2.78 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.25 Failed ⁵		Ratio: 1.18 Failed ⁵	Ratio: 1.35 Failed ⁵
Hex(330002)	Ratio: 3.29 AA 18pt ²	Ratio: 2.47 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.18 Failed ⁵		Ratio: 1.14 Failed ⁵
Hex(000000)	Ratio: 3.75 AA 18pt ²	Ratio: 2.82 Failed ⁵	Ratio: 2.17 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.14 Failed ⁵	

Details can be found at <https://www.w3.org/TR/WCAG20/>.

¹ AA

AA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for any text size.

² AA 18pt

AA level for large text above 18pt.

³ AAA

AAA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for any text size.

⁴ AAA 18pt

AAA level for large text above 18pt.

⁵ Failed

Fails to comply with the Web Content Accessibility Guidelines (WCAG) 2.0.

⁶ Passed

Passes the AAA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for all text sizes.

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