

Converting Colors - WCAG Matrix

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

	Hex(CB353A)	Hex(AC0E24)	Hex(8D0010)	Hex(6F0000)	Hex(500000)	Hex(340002)	Hex(000000)
Hex(CB353A)		Ratio: 1.45 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 2.45 Failed ⁵	Ratio: 3.06 AA 18pt ²	Ratio: 3.58 AA 18pt ²	Ratio: 4.11 AA 18pt ²
Hex(AC0E24)	Ratio: 1.45 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 2.12 Failed ⁵	Ratio: 2.48 Failed ⁵	Ratio: 2.84 Failed ⁵
Hex(8D0010)	Ratio: 1.92 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.28 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 2.14 Failed ⁵
Hex(6F0000)	Ratio: 2.45 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.28 Failed ⁵		Ratio: 1.25 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.68 Failed ⁵
Hex(500000)	Ratio: 3.06 AA 18pt ²	Ratio: 2.12 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.25 Failed ⁵		Ratio: 1.17 Failed ⁵	Ratio: 1.34 Failed ⁵
Hex(340002)	Ratio: 3.58 AA 18pt ²	Ratio: 2.48 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.17 Failed ⁵		Ratio: 1.15 Failed ⁵
Hex(000000)	Ratio: 4.11 AA 18pt ²	Ratio: 2.84 Failed ⁵	Ratio: 2.14 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.15 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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