

Converting Colors - WCAG Matrix

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

	Hex(CC3300)	Hex(AC0B00)	Hex(8C0000)	Hex(6D0000)	Hex(4F0001)	Hex(320002)	Hex(000000)
Hex(CC3300)		Ratio: 1.44 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 2.45 Failed ⁵	Ratio: 3.03 AA 18pt ²	Ratio: 3.56 AA 18pt ²	Ratio: 4.04 AA 18pt ²
Hex(AC0B00)	Ratio: 1.44 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 2.47 Failed ⁵	Ratio: 2.80 Failed ⁵
Hex(8C0000)	Ratio: 1.91 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.28 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 2.12 Failed ⁵
Hex(6D0000)	Ratio: 2.45 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.28 Failed ⁵		Ratio: 1.24 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.65 Failed ⁵
Hex(4F0001)	Ratio: 3.03 AA 18pt ²	Ratio: 2.10 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.24 Failed ⁵		Ratio: 1.17 Failed ⁵	Ratio: 1.33 Failed ⁵
Hex(320002)	Ratio: 3.56 AA 18pt ²	Ratio: 2.47 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.17 Failed ⁵		Ratio: 1.14 Failed ⁵
Hex(000000)	Ratio: 4.04 AA 18pt ²	Ratio: 2.80 Failed ⁵	Ratio: 2.12 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.33 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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