

Converting Colors - WCAG Matrix

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

	Hex(CAC40F)	Hex(ACA900)	Hex(8F8F00)	Hex(737500)	Hex(575D00)	Hex(3C4500)	Hex(222F00)	Hex(021B00)	Hex(000000)
Hex(CAC40F)		Ratio: 1.35 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 2.67 Failed ⁵	Ratio: 3.84 AA 18pt ²	Ratio: 5.59 AA ¹ AAA 18pt ⁴	Ratio: 7.74 Passed ⁶	Ratio: 9.84 Passed ⁶	Ratio: 11.41 Passed ⁶
Hex(ACA900)	Ratio: 1.35 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.84 Failed ⁵	Ratio: 4.13 AA 18pt ²	Ratio: 5.72 AA ¹ AAA 18pt ⁴	Ratio: 7.27 Passed ⁶	Ratio: 8.43 Passed ⁶
Hex(8F8F00)	Ratio: 1.87 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.98 Failed ⁵	Ratio: 4.13 AA 18pt ²	Ratio: 5.26 AA ¹ AAA 18pt ⁴	Ratio: 6.10 AA ¹ AAA 18pt ⁴
Hex(737500)	Ratio: 2.67 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.90 Failed ⁵	Ratio: 3.69 AA 18pt ²	Ratio: 4.27 AA 18pt ²
Hex(575D00)	Ratio: 3.84 AA 18pt ²	Ratio: 2.84 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.56 Failed ⁵	Ratio: 2.97 Failed ⁵
Hex(3C4500)	Ratio: 5.59 AA ¹ AAA 18pt ⁴	Ratio: 4.13 AA 18pt ²	Ratio: 2.98 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 2.04 Failed ⁵
Hex(222F00)	Ratio: 7.74 Passed ⁶	Ratio: 5.72 AA ¹ AAA 18pt ⁴	Ratio: 4.13 AA 18pt ²	Ratio: 2.90 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.27 Failed ⁵	Ratio: 1.47 Failed ⁵
Hex(021B00)	Ratio: 9.84 Passed ⁶	Ratio: 7.27 Passed ⁶	Ratio: 5.26 AA ¹ AAA 18pt ⁴	Ratio: 3.69 AA 18pt ²	Ratio: 2.56 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.27 Failed ⁵		Ratio: 1.16 Failed ⁵
Hex(000000)	Ratio: 11.41 Passed ⁶	Ratio: 8.43 Passed ⁶	Ratio: 6.10 AA ¹ AAA 18pt ⁴	Ratio: 4.27 AA 18pt ²	Ratio: 2.97 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.16 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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