

Converting Colors - WCAG Matrix

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

	Hex(CAB400)	Hex(AC9900)	Hex(8F8000)	Hex(736700)	Hex(574F00)	Hex(3C3900)	Hex(232300)	Hex(000F00)	Hex(000000)
Hex(CAB400)		Ratio: 1.37 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 2.74 Failed ⁵	Ratio: 3.98 AA 18pt ²	Ratio: 5.65 AA ¹ AAA 18pt ⁴	Ratio: 7.65 Passed ⁶	Ratio: 9.40 Passed ⁶	Ratio: 10.04 Passed ⁶
Hex(AC9900)	Ratio: 1.37 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 2.90 Failed ⁵	Ratio: 4.11 AA 18pt ²	Ratio: 5.57 AA ¹ AAA 18pt ⁴	Ratio: 6.84 AA ¹ AAA 18pt ⁴	Ratio: 7.31 Passed ⁶
Hex(8F8000)	Ratio: 1.91 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 4.01 AA 18pt ²	Ratio: 4.92 AA ¹ AAA 18pt ⁴	Ratio: 5.26 AA ¹ AAA 18pt ⁴
Hex(736700)	Ratio: 2.74 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.80 Failed ⁵	Ratio: 3.43 AA 18pt ²	Ratio: 3.67 AA 18pt ²
Hex(574F00)	Ratio: 3.98 AA 18pt ²	Ratio: 2.90 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 2.36 Failed ⁵	Ratio: 2.52 Failed ⁵
Hex(3C3900)	Ratio: 5.65 AA ¹ AAA 18pt ⁴	Ratio: 4.11 AA 18pt ²	Ratio: 2.96 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.78 Failed ⁵
Hex(232300)	Ratio: 7.65 Passed ⁶	Ratio: 5.57 AA ¹ AAA 18pt ⁴	Ratio: 4.01 AA 18pt ²	Ratio: 2.80 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.31 Failed ⁵
Hex(000F00)	Ratio: 9.40 Passed ⁶	Ratio: 6.84 AA ¹ AAA 18pt ⁴	Ratio: 4.92 AA ¹ AAA 18pt ⁴	Ratio: 3.43 AA 18pt ²	Ratio: 2.36 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.07 Failed ⁵
Hex(000000)	Ratio: 10.04 Passed ⁶	Ratio: 7.31 Passed ⁶	Ratio: 5.26 AA ¹ AAA 18pt ⁴	Ratio: 3.67 AA 18pt ²	Ratio: 2.52 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.07 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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