

Converting Colors - WCAG Matrix

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

	Hex(FFC100)	Hex(E0A600)	Hex(C18C00)	Hex(A27300)	Hex(845A00)	Hex(674300)	Hex(4B2D00)	Hex(311900)	Hex(190000)	Hex(000000)
Hex(FFC100)		Ratio: 1.34 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 2.58 Failed ⁵	Ratio: 3.74 AA 18pt ²	Ratio: 5.41 AA ¹ AAA 18pt ⁴	Ratio: 7.69 Passed ⁶	Ratio: 10.14 Passed ⁶	Ratio: 12.37 Passed ⁶	Ratio: 12.88 Passed ⁶
Hex(E0A600)	Ratio: 1.34 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.79 Failed ⁵	Ratio: 4.04 AA 18pt ²	Ratio: 5.75 AA ¹ AAA 18pt ⁴	Ratio: 7.58 Passed ⁶	Ratio: 9.24 Passed ⁶	Ratio: 9.62 Passed ⁶
Hex(C18C00)	Ratio: 1.84 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 4.19 AA 18pt ²	Ratio: 5.53 AA ¹ AAA 18pt ⁴	Ratio: 6.74 AA ¹ AAA 18pt ⁴	Ratio: 7.02 Passed ⁶
Hex(A27300)	Ratio: 2.58 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 2.98 Failed ⁵	Ratio: 3.93 AA 18pt ²	Ratio: 4.79 AA ¹ AAA 18pt ⁴	Ratio: 4.99 AA ¹ AAA 18pt ⁴
Hex(845A00)	Ratio: 3.74 AA 18pt ²	Ratio: 2.79 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.71 Failed ⁵	Ratio: 3.31 AA 18pt ²	Ratio: 3.44 AA 18pt ²
Hex(674300)	Ratio: 5.41 AA ¹ AAA 18pt ⁴	Ratio: 4.04 AA 18pt ²	Ratio: 2.95 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 2.29 Failed ⁵	Ratio: 2.38 Failed ⁵
Hex(4B2D00)	Ratio: 7.69 Passed ⁶	Ratio: 5.75 AA ¹ AAA 18pt ⁴	Ratio: 4.19 AA 18pt ²	Ratio: 2.98 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.67 Failed ⁵
Hex(311900)	Ratio: 10.14 Passed ⁶	Ratio: 7.58 Passed ⁶	Ratio: 5.53 AA ¹ AAA 18pt ⁴	Ratio: 3.93 AA 18pt ²	Ratio: 2.71 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.27 Failed ⁵
Hex(190000)	Ratio: 12.37 Passed ⁶	Ratio: 9.24 Passed ⁶	Ratio: 6.74 AA ¹ AAA 18pt ⁴	Ratio: 4.79 AA ¹ AAA 18pt ⁴	Ratio: 3.31 AA 18pt ²	Ratio: 2.29 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.04 Failed ⁵
Hex(000000)	Ratio: 12.88 Passed ⁶	Ratio: 9.62 Passed ⁶	Ratio: 7.02 Passed ⁶	Ratio: 4.99 AA ¹ AAA 18pt ⁴	Ratio: 3.44 AA 18pt ²	Ratio: 2.38 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.04 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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