

Converting Colors - WCAG Matrix

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

	Hex(FFB647)	Hex(E09B2B)	Hex(C28104)	Hex(A46800)	Hex(865000)	Hex(693900)	Hex(4D2300)	Hex(330F00)	Hex(1A0001)	Hex(000000)
Hex(FFB647)		Ratio: 1.35 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 2.64 Failed ⁵	Ratio: 3.81 AA 18pt ²	Ratio: 5.51 AA ¹ AAA 18pt ⁴	Ratio: 7.73 Passed ⁶	Ratio: 9.95 Passed ⁶	Ratio: 11.52 Passed ⁶	Ratio: 12.03 Passed ⁶
Hex(E09B2B)	Ratio: 1.35 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.81 Failed ⁵	Ratio: 4.07 AA 18pt ²	Ratio: 5.72 AA ¹ AAA 18pt ⁴	Ratio: 7.36 Passed ⁶	Ratio: 8.51 Passed ⁶	Ratio: 8.89 Passed ⁶
Hex(C28104)	Ratio: 1.87 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.94 Failed ⁵	Ratio: 4.14 AA 18pt ²	Ratio: 5.32 AA ¹ AAA 18pt ⁴	Ratio: 6.16 AA ¹ AAA 18pt ⁴	Ratio: 6.44 AA ¹ AAA 18pt ⁴
Hex(A46800)	Ratio: 2.64 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.93 Failed ⁵	Ratio: 3.77 AA 18pt ²	Ratio: 4.36 AA 18pt ²	Ratio: 4.56 AA ¹ AAA 18pt ⁴
Hex(865000)	Ratio: 3.81 AA 18pt ²	Ratio: 2.81 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.61 Failed ⁵	Ratio: 3.03 AA 18pt ²	Ratio: 3.16 AA 18pt ²
Hex(693900)	Ratio: 5.51 AA ¹ AAA 18pt ⁴	Ratio: 4.07 AA 18pt ²	Ratio: 2.94 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.19 Failed ⁵
Hex(4D2300)	Ratio: 7.73 Passed ⁶	Ratio: 5.72 AA ¹ AAA 18pt ⁴	Ratio: 4.14 AA 18pt ²	Ratio: 2.93 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.29 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.56 Failed ⁵
Hex(330F00)	Ratio: 9.95 Passed ⁶	Ratio: 7.36 Passed ⁶	Ratio: 5.32 AA ¹ AAA 18pt ⁴	Ratio: 3.77 AA 18pt ²	Ratio: 2.61 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.29 Failed ⁵		Ratio: 1.16 Failed ⁵	Ratio: 1.21 Failed ⁵
Hex(1A0001)	Ratio: 11.52 Passed ⁶	Ratio: 8.51 Passed ⁶	Ratio: 6.16 AA ¹ AAA 18pt ⁴	Ratio: 4.36 AA 18pt ²	Ratio: 3.03 AA 18pt ²	Ratio: 2.09 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.16 Failed ⁵		Ratio: 1.04 Failed ⁵
Hex(000000)	Ratio: 12.03 Passed ⁶	Ratio: 8.89 Passed ⁶	Ratio: 6.44 AA ¹ AAA 18pt ⁴	Ratio: 4.56 AA ¹ AAA 18pt ⁴	Ratio: 3.16 AA 18pt ²	Ratio: 2.19 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.21 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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