

Converting Colors - WCAG Matrix

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

	Hex(E8B51C)	Hex(C99900)	Hex(AB8200)	Hex(8F6900)	Hex(704F00)	Hex(543800)	Hex(3B2400)	Hex(210F00)	Hex(000000)
Hex(E8B51C)		Ratio: 1.38 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 2.64 Failed ⁵	Ratio: 3.94 AA 18pt ²	Ratio: 5.69 AA ¹ AAA 18pt ⁴	Ratio: 7.69 Passed ⁶	Ratio: 9.76 Passed ⁶	Ratio: 11.06 Passed ⁶
Hex(C99900)	Ratio: 1.38 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 2.86 Failed ⁵	Ratio: 4.14 AA 18pt ²	Ratio: 5.59 AA ¹ AAA 18pt ⁴	Ratio: 7.10 Passed ⁶	Ratio: 8.04 Passed ⁶
Hex(AB8200)	Ratio: 1.87 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 2.11 Failed ⁵	Ratio: 3.05 AA 18pt ²	Ratio: 4.12 AA 18pt ²	Ratio: 5.23 AA ¹ AAA 18pt ⁴	Ratio: 5.92 AA ¹ AAA 18pt ⁴
Hex(8F6900)	Ratio: 2.64 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.49 Failed ⁵	Ratio: 2.16 Failed ⁵	Ratio: 2.91 Failed ⁵	Ratio: 3.70 AA 18pt ²	Ratio: 4.19 AA 18pt ²
Hex(704F00)	Ratio: 3.94 AA 18pt ²	Ratio: 2.86 Failed ⁵	Ratio: 2.11 Failed ⁵	Ratio: 1.49 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.48 Failed ⁵	Ratio: 2.81 Failed ⁵
Hex(543800)	Ratio: 5.69 AA ¹ AAA 18pt ⁴	Ratio: 4.14 AA 18pt ²	Ratio: 3.05 AA 18pt ²	Ratio: 2.16 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.94 Failed ⁵
Hex(3B2400)	Ratio: 7.69 Passed ⁶	Ratio: 5.59 AA ¹ AAA 18pt ⁴	Ratio: 4.12 AA 18pt ²	Ratio: 2.91 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.27 Failed ⁵	Ratio: 1.44 Failed ⁵
Hex(210F00)	Ratio: 9.76 Passed ⁶	Ratio: 7.10 Passed ⁶	Ratio: 5.23 AA ¹ AAA 18pt ⁴	Ratio: 3.70 AA 18pt ²	Ratio: 2.48 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.27 Failed ⁵		Ratio: 1.13 Failed ⁵
Hex(000000)	Ratio: 11.06 Passed ⁶	Ratio: 8.04 Passed ⁶	Ratio: 5.92 AA ¹ AAA 18pt ⁴	Ratio: 4.19 AA 18pt ²	Ratio: 2.81 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.13 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.