

Converting Colors - WCAG Matrix

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

	Hex(949C3B)	Hex(798220)	Hex(5E6900)	Hex(455100)	Hex(2C3A00)	Hex(132400)	Hex(000D00)	Hex(000000)
Hex(949C3B)		Ratio: 1.41 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.91 Failed ⁵	Ratio: 4.13 AA 18pt ²	Ratio: 5.53 AA ¹ AAA 18pt ⁴	Ratio: 6.69 AA ¹ AAA 18pt ⁴	Ratio: 7.08 Passed ⁶
Hex(798220)	Ratio: 1.41 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.94 Failed ⁵	Ratio: 3.93 AA 18pt ²	Ratio: 4.75 AA ¹ AAA 18pt ⁴	Ratio: 5.03 AA ¹ AAA 18pt ⁴
Hex(5E6900)	Ratio: 2.02 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.73 Failed ⁵	Ratio: 3.31 AA 18pt ²	Ratio: 3.50 AA 18pt ²
Hex(455100)	Ratio: 2.91 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.30 Failed ⁵	Ratio: 2.43 Failed ⁵
Hex(2C3A00)	Ratio: 4.13 AA 18pt ²	Ratio: 2.94 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.71 Failed ⁵
Hex(132400)	Ratio: 5.53 AA ¹ AAA 18pt ⁴	Ratio: 3.93 AA 18pt ²	Ratio: 2.73 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.28 Failed ⁵
Hex(000D00)	Ratio: 6.69 AA ¹ AAA 18pt ⁴	Ratio: 4.75 AA ¹ AAA 18pt ⁴	Ratio: 3.31 AA 18pt ²	Ratio: 2.30 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.06 Failed ⁵
Hex(000000)	Ratio: 7.08 Passed ⁶	Ratio: 5.03 AA ¹ AAA 18pt ⁴	Ratio: 3.50 AA 18pt ²	Ratio: 2.43 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.06 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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