

Converting Colors - WCAG Matrix

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

	Hex(E6EEB5)	Hex(CAD29A)	Hex(AEB680)	Hex(939B66)	Hex(79814E)	Hex(606836)	Hex(475020)	Hex(303909)	Hex(1A2400)	Hex(000F00)
Hex(E6EEB5)		Ratio: 1.31 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 2.42 Failed ⁵	Ratio: 3.41 AA 18pt ²	Ratio: 4.89 AA ¹ AAA 18pt ⁴	Ratio: 7.09 Passed ⁶	Ratio: 10.07 Passed ⁶	Ratio: 13.32 Passed ⁶	Ratio: 16.16 Passed ⁶
Hex(CAD29A)	Ratio: 1.31 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 2.61 Failed ⁵	Ratio: 3.74 AA 18pt ²	Ratio: 5.42 AA ¹ AAA 18pt ⁴	Ratio: 7.70 Passed ⁶	Ratio: 10.18 Passed ⁶	Ratio: 12.35 Passed ⁶
Hex(AEB680)	Ratio: 1.76 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.78 Failed ⁵	Ratio: 4.02 AA 18pt ²	Ratio: 5.72 AA ¹ AAA 18pt ⁴	Ratio: 7.56 Passed ⁶	Ratio: 9.18 Passed ⁶
Hex(939B66)	Ratio: 2.42 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.92 Failed ⁵	Ratio: 4.15 AA 18pt ²	Ratio: 5.49 AA ¹ AAA 18pt ⁴	Ratio: 6.67 AA ¹ AAA 18pt ⁴
Hex(79814E)	Ratio: 3.41 AA 18pt ²	Ratio: 2.61 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 3.91 AA 18pt ²	Ratio: 4.74 AA ¹ AAA 18pt ⁴
Hex(606836)	Ratio: 4.89 AA ¹ AAA 18pt ⁴	Ratio: 3.74 AA 18pt ²	Ratio: 2.78 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.72 Failed ⁵	Ratio: 3.30 AA 18pt ²
Hex(475020)	Ratio: 7.09 Passed ⁶	Ratio: 5.42 AA ¹ AAA 18pt ⁴	Ratio: 4.02 AA 18pt ²	Ratio: 2.92 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 2.28 Failed ⁵
Hex(303909)	Ratio: 10.07 Passed ⁶	Ratio: 7.70 Passed ⁶	Ratio: 5.72 AA ¹ AAA 18pt ⁴	Ratio: 4.15 AA 18pt ²	Ratio: 2.95 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.61 Failed ⁵
Hex(1A2400)	Ratio: 13.32 Passed ⁶	Ratio: 10.18 Passed ⁶	Ratio: 7.56 Passed ⁶	Ratio: 5.49 AA ¹ AAA 18pt ⁴	Ratio: 3.91 AA 18pt ²	Ratio: 2.72 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.21 Failed ⁵
Hex(000F00)	Ratio: 16.16 Passed ⁶	Ratio: 12.35 Passed ⁶	Ratio: 9.18 Passed ⁶	Ratio: 6.67 AA ¹ AAA 18pt ⁴	Ratio: 4.74 AA ¹ AAA 18pt ⁴	Ratio: 3.30 AA 18pt ²	Ratio: 2.28 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.21 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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