

Converting Colors - WCAG Matrix

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

	Hex(E2E28A)	Hex(C5C670)	Hex(A9AB56)	Hex(8E913D)	Hex(737724)	Hex(595E07)	Hex(404700)	Hex(273100)	Hex(0C1C00)	Hex(000000)
Hex(E2E28A)		Ratio: 1.32 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 2.47 Failed ⁵	Ratio: 3.52 AA 18pt ²	Ratio: 5.11 AA ¹ AAA 18pt ⁴	Ratio: 7.30 Passed ⁶	Ratio: 10.15 Passed ⁶	Ratio: 13.10 Passed ⁶	Ratio: 15.48 Passed ⁶
Hex(C5C670)	Ratio: 1.32 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 2.66 Failed ⁵	Ratio: 3.86 AA 18pt ²	Ratio: 5.51 AA ¹ AAA 18pt ⁴	Ratio: 7.66 Passed ⁶	Ratio: 9.89 Passed ⁶	Ratio: 11.69 Passed ⁶
Hex(A9AB56)	Ratio: 1.79 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.85 Failed ⁵	Ratio: 4.08 AA 18pt ²	Ratio: 5.67 AA ¹ AAA 18pt ⁴	Ratio: 7.32 Passed ⁶	Ratio: 8.65 Passed ⁶
Hex(8E913D)	Ratio: 2.47 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 4.11 AA 18pt ²	Ratio: 5.30 AA ¹ AAA 18pt ⁴	Ratio: 6.27 AA ¹ AAA 18pt ⁴
Hex(737724)	Ratio: 3.52 AA 18pt ²	Ratio: 2.66 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.88 Failed ⁵	Ratio: 3.72 AA 18pt ²	Ratio: 4.39 AA 18pt ²
Hex(595E07)	Ratio: 5.11 AA ¹ AAA 18pt ⁴	Ratio: 3.86 AA 18pt ²	Ratio: 2.85 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 2.56 Failed ⁵	Ratio: 3.03 AA 18pt ²
Hex(404700)	Ratio: 7.30 Passed ⁶	Ratio: 5.51 AA ¹ AAA 18pt ⁴	Ratio: 4.08 AA 18pt ²	Ratio: 2.96 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 2.12 Failed ⁵
Hex(273100)	Ratio: 10.15 Passed ⁶	Ratio: 7.66 Passed ⁶	Ratio: 5.67 AA ¹ AAA 18pt ⁴	Ratio: 4.11 AA 18pt ²	Ratio: 2.88 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.29 Failed ⁵	Ratio: 1.53 Failed ⁵
Hex(0C1C00)	Ratio: 13.10 Passed ⁶	Ratio: 9.89 Passed ⁶	Ratio: 7.32 Passed ⁶	Ratio: 5.30 AA ¹ AAA 18pt ⁴	Ratio: 3.72 AA 18pt ²	Ratio: 2.56 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.29 Failed ⁵		Ratio: 1.18 Failed ⁵
Hex(000000)	Ratio: 15.48 Passed ⁶	Ratio: 11.69 Passed ⁶	Ratio: 8.65 Passed ⁶	Ratio: 6.27 AA ¹ AAA 18pt ⁴	Ratio: 4.39 AA 18pt ²	Ratio: 3.03 AA 18pt ²	Ratio: 2.12 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.18 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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