

Converting Colors - WCAG Matrix

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

	Hex(E6E86D)	Hex(C8CC52)	Hex(ACB137)	Hex(909618)	Hex(747C00)	Hex(596300)	Hex(3F4C00)	Hex(253500)	Hex(0A2000)	Hex(000000)
Hex(E6E86D)		Ratio: 1.32 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 2.46 Failed ⁵	Ratio: 3.49 AA 18pt ²	Ratio: 5.02 AA ¹ AAA 18pt ⁴	Ratio: 7.18 Passed ⁶	Ratio: 10.16 Passed ⁶	Ratio: 13.22 Passed ⁶	Ratio: 16.13 Passed ⁶
Hex(C8CC52)	Ratio: 1.32 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 2.64 Failed ⁵	Ratio: 3.81 AA 18pt ²	Ratio: 5.44 AA ¹ AAA 18pt ⁴	Ratio: 7.69 Passed ⁶	Ratio: 10.02 Passed ⁶	Ratio: 12.21 Passed ⁶
Hex(ACB137)	Ratio: 1.77 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.83 Failed ⁵	Ratio: 4.05 AA 18pt ²	Ratio: 5.73 AA ¹ AAA 18pt ⁴	Ratio: 7.46 Passed ⁶	Ratio: 9.10 Passed ⁶
Hex(909618)	Ratio: 2.46 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.92 Failed ⁵	Ratio: 4.13 AA 18pt ²	Ratio: 5.38 AA ¹ AAA 18pt ⁴	Ratio: 6.56 AA ¹ AAA 18pt ⁴
Hex(747C00)	Ratio: 3.49 AA 18pt ²	Ratio: 2.64 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.91 Failed ⁵	Ratio: 3.79 AA 18pt ²	Ratio: 4.63 AA ¹ AAA 18pt ⁴
Hex(596300)	Ratio: 5.02 AA ¹ AAA 18pt ⁴	Ratio: 3.81 AA 18pt ²	Ratio: 2.83 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.63 Failed ⁵	Ratio: 3.21 AA 18pt ²
Hex(3F4C00)	Ratio: 7.18 Passed ⁶	Ratio: 5.44 AA ¹ AAA 18pt ⁴	Ratio: 4.05 AA 18pt ²	Ratio: 2.92 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 2.25 Failed ⁵
Hex(253500)	Ratio: 10.16 Passed ⁶	Ratio: 7.69 Passed ⁶	Ratio: 5.73 AA ¹ AAA 18pt ⁴	Ratio: 4.13 AA 18pt ²	Ratio: 2.91 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.59 Failed ⁵
Hex(0A2000)	Ratio: 13.22 Passed ⁶	Ratio: 10.02 Passed ⁶	Ratio: 7.46 Passed ⁶	Ratio: 5.38 AA ¹ AAA 18pt ⁴	Ratio: 3.79 AA 18pt ²	Ratio: 2.63 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.22 Failed ⁵
Hex(000000)	Ratio: 16.13 Passed ⁶	Ratio: 12.21 Passed ⁶	Ratio: 9.10 Passed ⁶	Ratio: 6.56 AA ¹ AAA 18pt ⁴	Ratio: 4.63 AA ¹ AAA 18pt ⁴	Ratio: 3.21 AA 18pt ²	Ratio: 2.25 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.22 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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