

Converting Colors - WCAG Matrix

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

	Hex(FFFF73)	Hex(E1E257)	Hex(C4C63B)	Hex(A7AB1A)	Hex(8A9100)	Hex(6E7700)	Hex(545F00)	Hex(394700)	Hex(1F3100)	Hex(001D00)
Hex(FFFF73)		Ratio: 1.30 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 2.33 Failed ⁵	Ratio: 3.23 AA 18pt ²	Ratio: 4.60 AA ¹ AAA 18pt ⁴	Ratio: 6.57 AA ¹ AAA 18pt ⁴	Ratio: 9.54 Passed ⁶	Ratio: 13.22 Passed ⁶	Ratio: 16.84 Passed ⁶
Hex(E1E257)	Ratio: 1.30 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 2.48 Failed ⁵	Ratio: 3.54 AA 18pt ²	Ratio: 5.05 AA ¹ AAA 18pt ⁴	Ratio: 7.33 Passed ⁶	Ratio: 10.16 Passed ⁶	Ratio: 12.94 Passed ⁶
Hex(C4C63B)	Ratio: 1.72 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 2.67 Failed ⁵	Ratio: 3.81 AA 18pt ²	Ratio: 5.54 AA ¹ AAA 18pt ⁴	Ratio: 7.67 Passed ⁶	Ratio: 9.77 Passed ⁶
Hex(A7AB1A)	Ratio: 2.33 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.81 Failed ⁵	Ratio: 4.09 AA 18pt ²	Ratio: 5.66 AA ¹ AAA 18pt ⁴	Ratio: 7.21 Passed ⁶
Hex(8A9100)	Ratio: 3.23 AA 18pt ²	Ratio: 2.48 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 4.09 AA 18pt ²	Ratio: 5.21 AA ¹ AAA 18pt ⁴
Hex(6E7700)	Ratio: 4.60 AA ¹ AAA 18pt ⁴	Ratio: 3.54 AA 18pt ²	Ratio: 2.67 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.87 Failed ⁵	Ratio: 3.66 AA 18pt ²
Hex(545F00)	Ratio: 6.57 AA ¹ AAA 18pt ⁴	Ratio: 5.05 AA ¹ AAA 18pt ⁴	Ratio: 3.81 AA 18pt ²	Ratio: 2.81 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.56 Failed ⁵
Hex(394700)	Ratio: 9.54 Passed ⁶	Ratio: 7.33 Passed ⁶	Ratio: 5.54 AA ¹ AAA 18pt ⁴	Ratio: 4.09 AA 18pt ²	Ratio: 2.95 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.76 Failed ⁵
Hex(1F3100)	Ratio: 13.22 Passed ⁶	Ratio: 10.16 Passed ⁶	Ratio: 7.67 Passed ⁶	Ratio: 5.66 AA ¹ AAA 18pt ⁴	Ratio: 4.09 AA 18pt ²	Ratio: 2.87 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.27 Failed ⁵
Hex(001D00)	Ratio: 16.84 Passed ⁶	Ratio: 12.94 Passed ⁶	Ratio: 9.77 Passed ⁶	Ratio: 7.21 Passed ⁶	Ratio: 5.21 AA ¹ AAA 18pt ⁴	Ratio: 3.66 AA 18pt ²	Ratio: 2.56 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.27 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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