

Converting Colors - WCAG Matrix

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

	Hex(99E300)	Hex(7CC700)	Hex(5EAB00)	Hex(3F9000)	Hex(1A7600)	Hex(005D00)	Hex(004400)	Hex(002E00)	Hex(001100)	Hex(000000)
Hex(99E300)		Ratio: 1.33 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 2.57 Failed ⁵	Ratio: 3.67 AA 18pt ²	Ratio: 5.20 AA ¹ AAA 18pt ⁴	Ratio: 7.30 Passed ⁶	Ratio: 9.59 Passed ⁶	Ratio: 12.35 Passed ⁶	Ratio: 13.34 Passed ⁶
Hex(7CC700)	Ratio: 1.33 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.76 Failed ⁵	Ratio: 3.91 AA 18pt ²	Ratio: 5.49 AA ¹ AAA 18pt ⁴	Ratio: 7.21 Passed ⁶	Ratio: 9.28 Passed ⁶	Ratio: 10.03 Passed ⁶
Hex(5EAB00)	Ratio: 1.83 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.85 Failed ⁵	Ratio: 4.00 AA 18pt ²	Ratio: 5.25 AA ¹ AAA 18pt ⁴	Ratio: 6.76 AA ¹ AAA 18pt ⁴	Ratio: 7.30 Passed ⁶
Hex(3F9000)	Ratio: 2.57 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.85 Failed ⁵	Ratio: 3.74 AA 18pt ²	Ratio: 4.81 AA ¹ AAA 18pt ⁴	Ratio: 5.20 AA ¹ AAA 18pt ⁴
Hex(1A7600)	Ratio: 3.67 AA 18pt ²	Ratio: 2.76 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 2.61 Failed ⁵	Ratio: 3.37 AA 18pt ²	Ratio: 3.64 AA 18pt ²
Hex(005D00)	Ratio: 5.20 AA ¹ AAA 18pt ⁴	Ratio: 3.91 AA 18pt ²	Ratio: 2.85 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 2.38 Failed ⁵	Ratio: 2.57 Failed ⁵
Hex(004400)	Ratio: 7.30 Passed ⁶	Ratio: 5.49 AA ¹ AAA 18pt ⁴	Ratio: 4.00 AA 18pt ²	Ratio: 2.85 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.83 Failed ⁵
Hex(002E00)	Ratio: 9.59 Passed ⁶	Ratio: 7.21 Passed ⁶	Ratio: 5.25 AA ¹ AAA 18pt ⁴	Ratio: 3.74 AA 18pt ²	Ratio: 2.61 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.29 Failed ⁵	Ratio: 1.39 Failed ⁵
Hex(001100)	Ratio: 12.35 Passed ⁶	Ratio: 9.28 Passed ⁶	Ratio: 6.76 AA ¹ AAA 18pt ⁴	Ratio: 4.81 AA ¹ AAA 18pt ⁴	Ratio: 3.37 AA 18pt ²	Ratio: 2.38 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.29 Failed ⁵		Ratio: 1.08 Failed ⁵
Hex(000000)	Ratio: 13.34 Passed ⁶	Ratio: 10.03 Passed ⁶	Ratio: 7.30 Passed ⁶	Ratio: 5.20 AA ¹ AAA 18pt ⁴	Ratio: 3.64 AA 18pt ²	Ratio: 2.57 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.08 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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