

Converting Colors - WCAG Matrix

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

	Hex(D6F71D)	Hex(B8DA00)	Hex(9ABE00)	Hex(7DA300)	Hex(608900)	Hex(437000)	Hex(255700)	Hex(003F00)	Hex(002900)	Hex(000E00)
Hex(D6F71D)		Ratio: 1.31 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 2.42 Failed ⁵	Ratio: 3.39 AA 18pt ²	Ratio: 4.83 AA ¹ AAA 18pt ⁴	Ratio: 7.04 Passed ⁶	Ratio: 10.04 Passed ⁶	Ratio: 13.04 Passed ⁶	Ratio: 16.17 Passed ⁶
Hex(B8DA00)	Ratio: 1.31 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 2.57 Failed ⁵	Ratio: 3.67 AA 18pt ²	Ratio: 5.35 AA ¹ AAA 18pt ⁴	Ratio: 7.64 Passed ⁶	Ratio: 9.92 Passed ⁶	Ratio: 12.29 Passed ⁶
Hex(9ABE00)	Ratio: 1.76 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 2.74 Failed ⁵	Ratio: 3.99 AA 18pt ²	Ratio: 5.69 AA ¹ AAA 18pt ⁴	Ratio: 7.39 Passed ⁶	Ratio: 9.16 Passed ⁶
Hex(7DA300)	Ratio: 2.42 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.91 Failed ⁵	Ratio: 4.16 AA 18pt ²	Ratio: 5.40 AA ¹ AAA 18pt ⁴	Ratio: 6.69 AA ¹ AAA 18pt ⁴
Hex(608900)	Ratio: 3.39 AA 18pt ²	Ratio: 2.57 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.97 Failed ⁵	Ratio: 3.85 AA 18pt ²	Ratio: 4.78 AA ¹ AAA 18pt ⁴
Hex(437000)	Ratio: 4.83 AA ¹ AAA 18pt ⁴	Ratio: 3.67 AA 18pt ²	Ratio: 2.74 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.46 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.70 Failed ⁵	Ratio: 3.35 AA 18pt ²
Hex(255700)	Ratio: 7.04 Passed ⁶	Ratio: 5.35 AA ¹ AAA 18pt ⁴	Ratio: 3.99 AA 18pt ²	Ratio: 2.91 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.46 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 2.30 Failed ⁵
Hex(003F00)	Ratio: 10.04 Passed ⁶	Ratio: 7.64 Passed ⁶	Ratio: 5.69 AA ¹ AAA 18pt ⁴	Ratio: 4.16 AA 18pt ²	Ratio: 2.97 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.61 Failed ⁵
Hex(002900)	Ratio: 13.04 Passed ⁶	Ratio: 9.92 Passed ⁶	Ratio: 7.39 Passed ⁶	Ratio: 5.40 AA ¹ AAA 18pt ⁴	Ratio: 3.85 AA 18pt ²	Ratio: 2.70 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.24 Failed ⁵
Hex(000E00)	Ratio: 16.17 Passed ⁶	Ratio: 12.29 Passed ⁶	Ratio: 9.16 Passed ⁶	Ratio: 6.69 AA ¹ AAA 18pt ⁴	Ratio: 4.78 AA ¹ AAA 18pt ⁴	Ratio: 3.35 AA 18pt ²	Ratio: 2.30 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.24 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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