

Converting Colors - WCAG Matrix

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

	Hex(DF072)	Hex(C2D457)	Hex(A5B83C)	Hex(8A9D1E)	Hex(6E8300)	Hex(536A00)	Hex(3A5200)	Hex(1F3B00)	Hex(012500)	Hex(000900)
Hex(DF072)		Ratio: 1.31 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 2.43 Failed ⁵	Ratio: 3.43 AA 18pt ²	Ratio: 4.91 AA ¹ AAA 18pt ⁴	Ratio: 7.06 Passed ⁶	Ratio: 10.00 Passed ⁶	Ratio: 13.31 Passed ⁶	Ratio: 16.21 Passed ⁶
Hex(C2D457)	Ratio: 1.31 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 2.62 Failed ⁵	Ratio: 3.75 AA 18pt ²	Ratio: 5.38 AA ¹ AAA 18pt ⁴	Ratio: 7.63 Passed ⁶	Ratio: 10.15 Passed ⁶	Ratio: 12.37 Passed ⁶
Hex(A5B83C)	Ratio: 1.77 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.78 Failed ⁵	Ratio: 3.99 AA 18pt ²	Ratio: 5.65 AA ¹ AAA 18pt ⁴	Ratio: 7.52 Passed ⁶	Ratio: 9.16 Passed ⁶
Hex(8A9D1E)	Ratio: 2.43 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.90 Failed ⁵	Ratio: 4.11 AA 18pt ²	Ratio: 5.47 AA ¹ AAA 18pt ⁴	Ratio: 6.66 AA ¹ AAA 18pt ⁴
Hex(6E8300)	Ratio: 3.43 AA 18pt ²	Ratio: 2.62 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.92 Failed ⁵	Ratio: 3.88 AA 18pt ²	Ratio: 4.73 AA ¹ AAA 18pt ⁴
Hex(536A00)	Ratio: 4.91 AA ¹ AAA 18pt ⁴	Ratio: 3.75 AA 18pt ²	Ratio: 2.78 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.71 Failed ⁵	Ratio: 3.30 AA 18pt ²
Hex(3A5200)	Ratio: 7.06 Passed ⁶	Ratio: 5.38 AA ¹ AAA 18pt ⁴	Ratio: 3.99 AA 18pt ²	Ratio: 2.90 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 2.30 Failed ⁵
Hex(1F3B00)	Ratio: 10.00 Passed ⁶	Ratio: 7.63 Passed ⁶	Ratio: 5.65 AA ¹ AAA 18pt ⁴	Ratio: 4.11 AA 18pt ²	Ratio: 2.92 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.62 Failed ⁵
Hex(012500)	Ratio: 13.31 Passed ⁶	Ratio: 10.15 Passed ⁶	Ratio: 7.52 Passed ⁶	Ratio: 5.47 AA ¹ AAA 18pt ⁴	Ratio: 3.88 AA 18pt ²	Ratio: 2.71 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.22 Failed ⁵
Hex(000900)	Ratio: 16.21 Passed ⁶	Ratio: 12.37 Passed ⁶	Ratio: 9.16 Passed ⁶	Ratio: 6.66 AA ¹ AAA 18pt ⁴	Ratio: 4.73 AA ¹ AAA 18pt ⁴	Ratio: 3.30 AA 18pt ²	Ratio: 2.30 Failed ⁵	Ratio: 1.62 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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