

Converting Colors - WCAG Matrix

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

	Hex(C1F9A2)	Hex(A5DC87)	Hex(8AC06D)	Hex(6FA554)	Hex(558A3C)	Hex(3B7123)	Hex(215809)	Hex(034000)	Hex(002A00)	Hex(001000)
Hex(C1F9A2)		Ratio: 1.31 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 2.41 Failed ⁵	Ratio: 3.41 AA 18pt ²	Ratio: 4.85 AA ¹ AAA 18pt ⁴	Ratio: 7.04 Passed ⁶	Ratio: 9.98 Passed ⁶	Ratio: 13.03 Passed ⁶	Ratio: 16.14 Passed ⁶
Hex(A5DC87)	Ratio: 1.31 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 2.59 Failed ⁵	Ratio: 3.69 AA 18pt ²	Ratio: 5.35 AA ¹ AAA 18pt ⁴	Ratio: 7.59 Passed ⁶	Ratio: 9.91 Passed ⁶	Ratio: 12.28 Passed ⁶
Hex(8AC06D)	Ratio: 1.76 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.75 Failed ⁵	Ratio: 3.99 AA 18pt ²	Ratio: 5.67 AA ¹ AAA 18pt ⁴	Ratio: 7.39 Passed ⁶	Ratio: 9.16 Passed ⁶
Hex(6FA554)	Ratio: 2.41 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.92 Failed ⁵	Ratio: 4.14 AA 18pt ²	Ratio: 5.40 AA ¹ AAA 18pt ⁴	Ratio: 6.69 AA ¹ AAA 18pt ⁴
Hex(558A3C)	Ratio: 3.41 AA 18pt ²	Ratio: 2.59 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.93 Failed ⁵	Ratio: 3.82 AA 18pt ²	Ratio: 4.74 AA ¹ AAA 18pt ⁴
Hex(3B7123)	Ratio: 4.85 AA ¹ AAA 18pt ⁴	Ratio: 3.69 AA 18pt ²	Ratio: 2.75 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.68 Failed ⁵	Ratio: 3.33 AA 18pt ²
Hex(215809)	Ratio: 7.04 Passed ⁶	Ratio: 5.35 AA ¹ AAA 18pt ⁴	Ratio: 3.99 AA 18pt ²	Ratio: 2.92 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 2.29 Failed ⁵
Hex(034000)	Ratio: 9.98 Passed ⁶	Ratio: 7.59 Passed ⁶	Ratio: 5.67 AA ¹ AAA 18pt ⁴	Ratio: 4.14 AA 18pt ²	Ratio: 2.93 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.62 Failed ⁵
Hex(002A00)	Ratio: 13.03 Passed ⁶	Ratio: 9.91 Passed ⁶	Ratio: 7.39 Passed ⁶	Ratio: 5.40 AA ¹ AAA 18pt ⁴	Ratio: 3.82 AA 18pt ²	Ratio: 2.68 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.24 Failed ⁵
Hex(001000)	Ratio: 16.14 Passed ⁶	Ratio: 12.28 Passed ⁶	Ratio: 9.16 Passed ⁶	Ratio: 6.69 AA ¹ AAA 18pt ⁴	Ratio: 4.74 AA ¹ AAA 18pt ⁴	Ratio: 3.33 AA 18pt ²	Ratio: 2.29 Failed ⁵	Ratio: 1.62 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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