

Converting Colors - WCAG Matrix

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

	Hex(FFFF9D)	Hex(E2E283)	Hex(C5C668)	Hex(A9AB4F)	Hex(8D9135)	Hex(72771B)	Hex(585F00)	Hex(3F4700)	Hex(263100)	Hex(0A1C00)
Hex(FFFF9D)		Ratio: 1.30 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 2.32 Failed ⁵	Ratio: 3.21 AA 18pt ²	Ratio: 4.59 AA ¹ AAA 18pt ⁴	Ratio: 6.57 AA ¹ AAA 18pt ⁴	Ratio: 9.49 Passed ⁶	Ratio: 13.17 Passed ⁶	Ratio: 17.00 Passed ⁶
Hex(E2E283)	Ratio: 1.30 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 2.48 Failed ⁵	Ratio: 3.53 AA 18pt ²	Ratio: 5.06 AA ¹ AAA 18pt ⁴	Ratio: 7.31 Passed ⁶	Ratio: 10.15 Passed ⁶	Ratio: 13.10 Passed ⁶
Hex(C5C668)	Ratio: 1.72 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 2.67 Failed ⁵	Ratio: 3.82 AA 18pt ²	Ratio: 5.52 AA ¹ AAA 18pt ⁴	Ratio: 7.66 Passed ⁶	Ratio: 9.88 Passed ⁶
Hex(A9AB4F)	Ratio: 2.32 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.83 Failed ⁵	Ratio: 4.08 AA 18pt ²	Ratio: 5.67 AA ¹ AAA 18pt ⁴	Ratio: 7.32 Passed ⁶
Hex(8D9135)	Ratio: 3.21 AA 18pt ²	Ratio: 2.48 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 4.10 AA 18pt ²	Ratio: 5.29 AA ¹ AAA 18pt ⁴
Hex(72771B)	Ratio: 4.59 AA ¹ AAA 18pt ⁴	Ratio: 3.53 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: 3.71 AA 18pt ²
Hex(585F00)	Ratio: 6.57 AA ¹ AAA 18pt ⁴	Ratio: 5.06 AA ¹ AAA 18pt ⁴	Ratio: 3.82 AA 18pt ²	Ratio: 2.83 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.59 Failed ⁵
Hex(3F4700)	Ratio: 9.49 Passed ⁶	Ratio: 7.31 Passed ⁶	Ratio: 5.52 AA ¹ AAA 18pt ⁴	Ratio: 4.08 AA 18pt ²	Ratio: 2.95 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.79 Failed ⁵
Hex(263100)	Ratio: 13.17 Passed ⁶	Ratio: 10.15 Passed ⁶	Ratio: 7.66 Passed ⁶	Ratio: 5.67 AA ¹ AAA 18pt ⁴	Ratio: 4.10 AA 18pt ²	Ratio: 2.87 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.29 Failed ⁵
Hex(0A1C00)	Ratio: 17.00 Passed ⁶	Ratio: 13.10 Passed ⁶	Ratio: 9.88 Passed ⁶	Ratio: 7.32 Passed ⁶	Ratio: 5.29 AA ¹ AAA 18pt ⁴	Ratio: 3.71 AA 18pt ²	Ratio: 2.59 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.29 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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