

Converting Colors - WCAG Matrix

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

	Hex(C69CC7)	Hex(AA82AC)	Hex(906891)	Hex(765077)	Hex(5D385F)	Hex(442247)	Hex(2D0C30)	Hex(1B001C)	Hex(000000)
Hex(C69CC7)		Ratio: 1.38 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.82 Failed ⁵	Ratio: 4.09 AA 18pt ²	Ratio: 5.74 AA ¹ AAA 18pt ⁴	Ratio: 7.44 Passed ⁶	Ratio: 8.45 Passed ⁶	Ratio: 8.98 Passed ⁶
Hex(AA82AC)	Ratio: 1.38 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 4.15 AA 18pt ²	Ratio: 5.38 AA ¹ AAA 18pt ⁴	Ratio: 6.11 AA ¹ AAA 18pt ⁴	Ratio: 6.50 AA ¹ AAA 18pt ⁴
Hex(906891)	Ratio: 1.96 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.92 Failed ⁵	Ratio: 3.79 AA 18pt ²	Ratio: 4.30 AA 18pt ²	Ratio: 4.57 AA ¹ AAA 18pt ⁴
Hex(765077)	Ratio: 2.82 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.64 Failed ⁵	Ratio: 2.99 Failed ⁵	Ratio: 3.18 AA 18pt ²
Hex(5D385F)	Ratio: 4.09 AA 18pt ²	Ratio: 2.96 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.20 Failed ⁵
Hex(442247)	Ratio: 5.74 AA ¹ AAA 18pt ⁴	Ratio: 4.15 AA 18pt ²	Ratio: 2.92 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.57 Failed ⁵
Hex(2D0C30)	Ratio: 7.44 Passed ⁶	Ratio: 5.38 AA ¹ AAA 18pt ⁴	Ratio: 3.79 AA 18pt ²	Ratio: 2.64 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.13 Failed ⁵	Ratio: 1.21 Failed ⁵
Hex(1B001C)	Ratio: 8.45 Passed ⁶	Ratio: 6.11 AA ¹ AAA 18pt ⁴	Ratio: 4.30 AA 18pt ²	Ratio: 2.99 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.13 Failed ⁵		Ratio: 1.06 Failed ⁵
Hex(000000)	Ratio: 8.98 Passed ⁶	Ratio: 6.50 AA ¹ AAA 18pt ⁴	Ratio: 4.57 AA ¹ AAA 18pt ⁴	Ratio: 3.18 AA 18pt ²	Ratio: 2.20 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 1.06 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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