

Converting Colors - WCAG Matrix

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

	Hex(C0A7D2)	Hex(A58DB6)	Hex(8A739B)	Hex(705A81)	Hex(584368)	Hex(402C50)	Hex(291739)	Hex(170023)	Hex(00000B)	Hex(000000)
Hex(C0A7D2)		Ratio: 1.37 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.80 Failed ⁵	Ratio: 4.01 AA 18pt ²	Ratio: 5.73 AA ¹ AAA 18pt ⁴	Ratio: 7.60 Passed ⁶	Ratio: 9.14 Passed ⁶	Ratio: 9.65 Passed ⁶	Ratio: 9.70 Passed ⁶
Hex(A58DB6)	Ratio: 1.37 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.93 Failed ⁵	Ratio: 4.18 AA 18pt ²	Ratio: 5.55 AA ¹ AAA 18pt ⁴	Ratio: 6.68 AA ¹ AAA 18pt ⁴	Ratio: 7.05 Passed ⁶	Ratio: 7.09 Passed ⁶
Hex(8A739B)	Ratio: 1.94 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 3.92 AA 18pt ²	Ratio: 4.72 AA ¹ AAA 18pt ⁴	Ratio: 4.98 AA ¹ AAA 18pt ⁴	Ratio: 5.01 AA ¹ AAA 18pt ⁴
Hex(705A81)	Ratio: 2.80 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.72 Failed ⁵	Ratio: 3.27 AA 18pt ²	Ratio: 3.45 AA 18pt ²	Ratio: 3.47 AA 18pt ²
Hex(584368)	Ratio: 4.01 AA 18pt ²	Ratio: 2.93 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 2.28 Failed ⁵	Ratio: 2.41 Failed ⁵	Ratio: 2.42 Failed ⁵
Hex(402C50)	Ratio: 5.73 AA ¹ AAA 18pt ⁴	Ratio: 4.18 AA 18pt ²	Ratio: 2.95 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.69 Failed ⁵
Hex(291739)	Ratio: 7.60 Passed ⁶	Ratio: 5.55 AA ¹ AAA 18pt ⁴	Ratio: 3.92 AA 18pt ²	Ratio: 2.72 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.28 Failed ⁵
Hex(170023)	Ratio: 9.14 Passed ⁶	Ratio: 6.68 AA ¹ AAA 18pt ⁴	Ratio: 4.72 AA ¹ AAA 18pt ⁴	Ratio: 3.27 AA 18pt ²	Ratio: 2.28 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.06 Failed ⁵	Ratio: 1.06 Failed ⁵
Hex(00000B)	Ratio: 9.65 Passed ⁶	Ratio: 7.05 Passed ⁶	Ratio: 4.98 AA ¹ AAA 18pt ⁴	Ratio: 3.45 AA 18pt ²	Ratio: 2.41 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.06 Failed ⁵		Ratio: 1.00 Failed ⁵
Hex(000000)	Ratio: 9.70 Passed ⁶	Ratio: 7.09 Passed ⁶	Ratio: 5.01 AA ¹ AAA 18pt ⁴	Ratio: 3.47 AA 18pt ²	Ratio: 2.42 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.06 Failed ⁵	Ratio: 1.00 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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