

Converting Colors - WCAG Matrix

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

	Hex(C29FC4)	Hex(A785A9)	Hex(8C6B8E)	Hex(725375)	Hex(593B5C)	Hex(422544)	Hex(2B102E)	Hex(19001A)	Hex(000000)
Hex(C29FC4)		Ratio: 1.38 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.82 Failed ⁵	Ratio: 4.10 AA 18pt ²	Ratio: 5.73 AA ¹ AAA 18pt ⁴	Ratio: 7.44 Passed ⁶	Ratio: 8.57 Passed ⁶	Ratio: 9.05 Passed ⁶
Hex(A785A9)	Ratio: 1.38 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.98 Failed ⁵	Ratio: 4.16 AA 18pt ²	Ratio: 5.40 AA ¹ AAA 18pt ⁴	Ratio: 6.22 AA ¹ AAA 18pt ⁴	Ratio: 6.57 AA ¹ AAA 18pt ⁴
Hex(8C6B8E)	Ratio: 1.96 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.92 Failed ⁵	Ratio: 3.79 AA 18pt ²	Ratio: 4.36 AA 18pt ²	Ratio: 4.61 AA ¹ AAA 18pt ⁴
Hex(725375)	Ratio: 2.82 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.46 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.64 Failed ⁵	Ratio: 3.04 AA 18pt ²	Ratio: 3.21 AA 18pt ²
Hex(593B5C)	Ratio: 4.10 AA 18pt ²	Ratio: 2.98 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 1.46 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.20 Failed ⁵
Hex(422544)	Ratio: 5.73 AA ¹ AAA 18pt ⁴	Ratio: 4.16 AA 18pt ²	Ratio: 2.92 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.58 Failed ⁵
Hex(2B102E)	Ratio: 7.44 Passed ⁶	Ratio: 5.40 AA ¹ AAA 18pt ⁴	Ratio: 3.79 AA 18pt ²	Ratio: 2.64 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.15 Failed ⁵	Ratio: 1.22 Failed ⁵
Hex(19001A)	Ratio: 8.57 Passed ⁶	Ratio: 6.22 AA ¹ AAA 18pt ⁴	Ratio: 4.36 AA 18pt ²	Ratio: 3.04 AA 18pt ²	Ratio: 2.09 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.15 Failed ⁵		Ratio: 1.06 Failed ⁵
Hex(000000)	Ratio: 9.05 Passed ⁶	Ratio: 6.57 AA ¹ AAA 18pt ⁴	Ratio: 4.61 AA ¹ AAA 18pt ⁴	Ratio: 3.21 AA 18pt ²	Ratio: 2.20 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.22 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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