

Converting Colors - WCAG Matrix

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

Hex(827C80) Hex(A89EA5) Hex(7C8281) Hex(403B3E) Hex(800055) Hex(000000)

	Hex(827C80)	Hex(A89EA5)	Hex(7C8281)	Hex(403B3E)	Hex(800055)	Hex(000000)
Hex(827C80)		Ratio: 1.57 Failed ⁵	Ratio: 1.04 Failed ⁵	Ratio: 2.69 Failed ⁵	Ratio: 2.51 Failed ⁵	Ratio: 5.14 AA ¹ AAA 18pt ⁴
Hex(A89EA5)	Ratio: 1.57 Failed ⁵		Ratio: 1.51 Failed ⁵	Ratio: 4.23 AA 18pt ²	Ratio: 3.95 AA 18pt ²	Ratio: 8.10 Passed ⁶
Hex(7C8281)	Ratio: 1.04 Failed ⁵	Ratio: 1.51 Failed ⁵		Ratio: 2.81 Failed ⁵	Ratio: 2.62 Failed ⁵	Ratio: 5.37 AA ¹ AAA 18pt ⁴
Hex(403B3E)	Ratio: 2.69 Failed ⁵	Ratio: 4.23 AA 18pt ²	Ratio: 2.81 Failed ⁵		Ratio: 1.07 Failed ⁵	Ratio: 1.91 Failed ⁵
Hex(800055)	Ratio: 2.51 Failed ⁵	Ratio: 3.95 AA 18pt ²	Ratio: 2.62 Failed ⁵	Ratio: 1.07 Failed ⁵		Ratio: 2.05 Failed ⁵
Hex(000000)	Ratio: 5.14 AA ¹ AAA 18pt ⁴	Ratio: 8.10 Passed ⁶	Ratio: 5.37 AA ¹ AAA 18pt ⁴	Ratio: 1.91 Failed ⁵	Ratio: 2.05 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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