

Converting Colors - WCAG Matrix

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

Hex(837883) Hex(AB9AAB) Hex(78837E) Hex(423C42) Hex(820082) Hex(030003)

	Hex(837883)	Hex(AB9AAB)	Hex(78837E)	Hex(423C42)	Hex(820082)	Hex(030003)
Hex(837883)		Ratio: 1.59 Failed ⁵	Ratio: 1.07 Failed ⁵	Ratio: 2.54 Failed ⁵	Ratio: 2.19 Failed ⁵	Ratio: 4.95 AA ¹ AAA 18pt ⁴
Hex(AB9AAB)	Ratio: 1.59 Failed ⁵		Ratio: 1.49 Failed ⁵	Ratio: 4.06 AA 18pt ²	Ratio: 3.50 AA 18pt ²	Ratio: 7.90 Passed ⁶
Hex(78837E)	Ratio: 1.07 Failed ⁵	Ratio: 1.49 Failed ⁵		Ratio: 2.73 Failed ⁵	Ratio: 2.35 Failed ⁵	Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(423C42)	Ratio: 2.54 Failed ⁵	Ratio: 4.06 AA 18pt ²	Ratio: 2.73 Failed ⁵		Ratio: 1.16 Failed ⁵	Ratio: 1.95 Failed ⁵
Hex(820082)	Ratio: 2.19 Failed ⁵	Ratio: 3.50 AA 18pt ²	Ratio: 2.35 Failed ⁵	Ratio: 1.16 Failed ⁵		Ratio: 2.26 Failed ⁵
Hex(030003)	Ratio: 4.95 AA ¹ AAA 18pt ⁴	Ratio: 7.90 Passed ⁶	Ratio: 5.32 AA ¹ AAA 18pt ⁴	Ratio: 1.95 Failed ⁵	Ratio: 2.26 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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