

Converting Colors - WCAG Matrix

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

Hex(808A9E) Hex(9EB0CF) Hex(85809E) Hex(474A4F) Hex(00308F) Hex(00050F)

	Hex(808A9E)	Hex(9EB0CF)	Hex(85809E)	Hex(474A4F)	Hex(00308F)	Hex(00050F)
Hex(808A9E)		Ratio: 1.58 Failed ⁵	Ratio: 1.08 Failed ⁵	Ratio: 2.56 Failed ⁵	Ratio: 3.32 AA 18pt ²	Ratio: 5.88 AA ¹ AAA 18pt ⁴
Hex(9EB0CF)	Ratio: 1.58 Failed ⁵		Ratio: 1.71 Failed ⁵	Ratio: 4.05 AA 18pt ²	Ratio: 5.26 AA ¹ AAA 18pt ⁴	Ratio: 9.30 Passed ⁶
Hex(85809E)	Ratio: 1.08 Failed ⁵	Ratio: 1.71 Failed ⁵		Ratio: 2.36 Failed ⁵	Ratio: 3.07 AA 18pt ²	Ratio: 5.42 AA ¹ AAA 18pt ⁴
Hex(474A4F)	Ratio: 2.56 Failed ⁵	Ratio: 4.05 AA 18pt ²	Ratio: 2.36 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 2.29 Failed ⁵
Hex(00308F)	Ratio: 3.32 AA 18pt ²	Ratio: 5.26 AA ¹ AAA 18pt ⁴	Ratio: 3.07 AA 18pt ²	Ratio: 1.30 Failed ⁵		Ratio: 1.77 Failed ⁵
Hex(00050F)	Ratio: 5.88 AA ¹ AAA 18pt ⁴	Ratio: 9.30 Passed ⁶	Ratio: 5.42 AA ¹ AAA 18pt ⁴	Ratio: 2.29 Failed ⁵	Ratio: 1.77 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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