

Converting Colors - WCAG Matrix

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

Hex(87A5CC) Hex(E6F1FF) Hex(87CCAD) Hex(707780) Hex(000000) Hex(808080)

	Hex(87A5CC)	Hex(E6F1FF)	Hex(87CCAD)	Hex(707780)	Hex(000000)	Hex(808080)
Hex(87A5CC)		Ratio: 2.22 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 8.28 Passed ⁶	Ratio: 1.56 Failed ⁵
Hex(E6F1FF)	Ratio: 2.22 Failed ⁵		Ratio: 1.63 Failed ⁵	Ratio: 3.96 AA 18pt ²	Ratio: 18.39 Passed ⁶	Ratio: 3.46 AA 18pt ²
Hex(87CCAD)	Ratio: 1.36 Failed ⁵	Ratio: 1.63 Failed ⁵		Ratio: 2.43 Failed ⁵	Ratio: 11.27 Passed ⁶	Ratio: 2.12 Failed ⁵
Hex(707780)	Ratio: 1.79 Failed ⁵	Ratio: 3.96 AA 18pt ²	Ratio: 2.43 Failed ⁵		Ratio: 4.64 AA ¹ AAA 18pt ⁴	Ratio: 1.15 Failed ⁵
Hex(000000)	Ratio: 8.28 Passed ⁶	Ratio: 18.39 Passed ⁶	Ratio: 11.27 Passed ⁶	Ratio: 4.64 AA ¹ AAA 18pt ⁴		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 1.56 Failed ⁵	Ratio: 3.46 AA 18pt ²	Ratio: 2.12 Failed ⁵	Ratio: 1.15 Failed ⁵	Ratio: 5.32 AA ¹ AAA 18pt ⁴	

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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