

Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.
Hex(8981C2) Hex(E7E3FC) Hex(81BAC2) Hex(727080) Hex(000000) Hex(808080)

Hex(8981C2)		Ratio: 2.81 Failed⁵	Ratio: 1.63 Failed⁵	Ratio: 1.38 Failed⁵	Ratio: 5.98 AA¹ AAA 18pt⁴	Ratio: 1.13 Failed⁵
Hex(E7E3FC)	Ratio: 2.81 Failed⁵		Ratio: 1.72 Failed⁵	Ratio: 3.86 AA 18pt²	Ratio: 16.79 Passed⁶	Ratio: 3.16 AA 18pt²
Hex(81BAC2)	Ratio: 1.63 Failed⁵	Ratio: 1.72 Failed⁵		Ratio: 2.24 Failed⁵	Ratio: 9.74 Passed⁶	Ratio: 1.83 Failed⁵
Hex(727080)	Ratio: 1.38 Failed⁵	Ratio: 3.86 AA 18pt²	Ratio: 2.24 Failed⁵		Ratio: 4.34 AA 18pt²	Ratio: 1.22 Failed⁵
Hex(000000)	Ratio: 5.98 AA¹ AAA 18pt⁴	Ratio: 16.79 Passed⁶	Ratio: 9.74 Passed⁶	Ratio: 4.34 AA 18pt²		Ratio: 5.32 AA¹ AAA 18pt⁴
Hex(808080)	Ratio: 1.13 Failed⁵	Ratio: 3.16 AA 18pt²	Ratio: 1.83 Failed⁵	Ratio: 1.22 Failed⁵	Ratio: 5.32 AA¹ AAA 18pt⁴	

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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