

Converting Colors - WCAG Matrix

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

Hex(9077ED) Hex(E1D9FF) Hex(77D3ED) Hex(6E6980) Hex(000000) Hex(808080)

	Hex(9077ED)	Hex(E1D9FF)	Hex(77D3ED)	Hex(6E6980)	Hex(000000)	Hex(808080)
Hex(9077ED)		Ratio: 2.57 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 6.05 AA ¹ AAA 18pt ⁴	Ratio: 1.14 Failed ⁵
Hex(E1D9FF)	Ratio: 2.57 Failed ⁵		Ratio: 1.26 Failed ⁵	Ratio: 3.90 AA 18pt ²	Ratio: 15.57 Passed ⁶	Ratio: 2.93 Failed ⁵
Hex(77D3ED)	Ratio: 2.04 Failed ⁵	Ratio: 1.26 Failed ⁵		Ratio: 3.08 AA 18pt ²	Ratio: 12.33 Passed ⁶	Ratio: 2.32 Failed ⁵
Hex(6E6980)	Ratio: 1.51 Failed ⁵	Ratio: 3.90 AA 18pt ²	Ratio: 3.08 AA 18pt ²		Ratio: 4.00 AA 18pt ²	Ratio: 1.33 Failed ⁵
Hex(000000)	Ratio: 6.05 AA ¹ AAA 18pt ⁴	Ratio: 15.57 Passed ⁶	Ratio: 12.33 Passed ⁶	Ratio: 4.00 AA 18pt ²		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 1.14 Failed ⁵	Ratio: 2.93 Failed ⁵	Ratio: 2.32 Failed ⁵	Ratio: 1.33 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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