

Converting Colors - WCAG Matrix

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

Hex(A241EF) Hex(E6C7FF) Hex(418FEF) Hex(715E80) Hex(000000) Hex(808080)

	Hex(A241EF)	Hex(E6C7FF)	Hex(418FEF)	Hex(715E80)	Hex(000000)	Hex(808080)
Hex(A241EF)		Ratio: 3.08 AA 18pt ²	Ratio: 1.41 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 4.54 AA ¹ AAA 18pt ⁴	Ratio: 1.17 Failed ⁵
Hex(E6C7FF)	Ratio: 3.08 AA 18pt ²		Ratio: 2.18 Failed ⁵	Ratio: 3.87 AA 18pt ²	Ratio: 13.98 Passed ⁶	Ratio: 2.63 Failed ⁵
Hex(418FEF)	Ratio: 1.41 Failed ⁵	Ratio: 2.18 Failed ⁵		Ratio: 1.77 Failed ⁵	Ratio: 6.40 AA ¹ AAA 18pt ⁴	Ratio: 1.20 Failed ⁵
Hex(715E80)	Ratio: 1.26 Failed ⁵	Ratio: 3.87 AA 18pt ²	Ratio: 1.77 Failed ⁵		Ratio: 3.62 AA 18pt ²	Ratio: 1.47 Failed ⁵
Hex(000000)	Ratio: 4.54 AA ¹ AAA 18pt ⁴	Ratio: 13.98 Passed ⁶	Ratio: 6.40 AA ¹ AAA 18pt ⁴	Ratio: 3.62 AA 18pt ²		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 1.17 Failed ⁵	Ratio: 2.63 Failed ⁵	Ratio: 1.20 Failed ⁵	Ratio: 1.47 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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