

Converting Colors - WCAG Matrix

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

Hex(C7C7E8) Hex(F5F5FF) Hex(C7E8E8) Hex(787880) Hex(000000) Hex(808080)

	Hex(C7C7E8)	Hex(F5F5FF)	Hex(C7E8E8)	Hex(787880)	Hex(000000)	Hex(808080)
Hex(C7C7E8)		Ratio: 1.52 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 2.66 Failed ⁵	Ratio: 12.76 Passed ⁶	Ratio: 2.40 Failed ⁵
Hex(F5F5FF)	Ratio: 1.52 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 4.04 AA 18pt ²	Ratio: 19.39 Passed ⁶	Ratio: 3.65 AA 18pt ²
Hex(C7E8E8)	Ratio: 1.26 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 3.36 AA 18pt ²	Ratio: 16.14 Passed ⁶	Ratio: 3.03 AA 18pt ²
Hex(787880)	Ratio: 2.66 Failed ⁵	Ratio: 4.04 AA 18pt ²	Ratio: 3.36 AA 18pt ²		Ratio: 4.80 AA ¹ AAA 18pt ⁴	Ratio: 1.11 Failed ⁵
Hex(000000)	Ratio: 12.76 Passed ⁶	Ratio: 19.39 Passed ⁶	Ratio: 16.14 Passed ⁶	Ratio: 4.80 AA ¹ AAA 18pt ⁴		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 2.40 Failed ⁵	Ratio: 3.65 AA 18pt ²	Ratio: 3.03 AA 18pt ²	Ratio: 1.11 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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