

Converting Colors - WCAG Matrix

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

Hex(CCD1E3) Hex(F7FAFF) Hex(CCE3DE) Hex(7A7D80) Hex(000000) Hex(808080)

	Hex(CCD1E3)	Hex(F7FAFF)	Hex(CCE3DE)	Hex(7A7D80)	Hex(000000)	Hex(808080)
Hex(CCD1E3)		Ratio: 1.45 Failed ⁵	Ratio: 1.13 Failed ⁵	Ratio: 2.72 Failed ⁵	Ratio: 13.80 Passed ⁶	Ratio: 2.59 Failed ⁵
Hex(F7FAFF)	Ratio: 1.45 Failed ⁵		Ratio: 1.29 Failed ⁵	Ratio: 3.96 AA 18pt ²	Ratio: 20.07 Passed ⁶	Ratio: 3.78 AA 18pt ²
Hex(CCE3DE)	Ratio: 1.13 Failed ⁵	Ratio: 1.29 Failed ⁵		Ratio: 3.08 AA 18pt ²	Ratio: 15.61 Passed ⁶	Ratio: 2.94 Failed ⁵
Hex(7A7D80)	Ratio: 2.72 Failed ⁵	Ratio: 3.96 AA 18pt ²	Ratio: 3.08 AA 18pt ²		Ratio: 5.07 AA ¹ AAA 18pt ⁴	Ratio: 1.05 Failed ⁵
Hex(000000)	Ratio: 13.80 Passed ⁶	Ratio: 20.07 Passed ⁶	Ratio: 15.61 Passed ⁶	Ratio: 5.07 AA ¹ AAA 18pt ⁴		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 2.59 Failed ⁵	Ratio: 3.78 AA 18pt ²	Ratio: 2.94 Failed ⁵	Ratio: 1.05 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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