

Converting Colors - WCAG Matrix

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

Hex(F2F7FF) Hex(FAFCFF) Hex(F2FFFA) Hex(7D7E80) Hex(000000) Hex(808080)

	Hex(F2F7FF)	Hex(FAFCFF)	Hex(F2FFFA)	Hex(7D7E80)	Hex(000000)	Hex(808080)
Hex(F2F7FF)		Ratio: 1.05 Failed ⁵	Ratio: 1.05 Failed ⁵	Ratio: 3.78 AA 18pt ²	Ratio: 19.52 Passed ⁶	Ratio: 3.67 AA 18pt ²
Hex(FAFCFF)	Ratio: 1.05 Failed ⁵		Ratio: 1.00 Failed ⁵	Ratio: 3.95 AA 18pt ²	Ratio: 20.43 Passed ⁶	Ratio: 3.84 AA 18pt ²
Hex(F2FFFA)	Ratio: 1.05 Failed ⁵	Ratio: 1.00 Failed ⁵		Ratio: 3.96 AA 18pt ²	Ratio: 20.46 Passed ⁶	Ratio: 3.85 AA 18pt ²
Hex(7D7E80)	Ratio: 3.78 AA 18pt ²	Ratio: 3.95 AA 18pt ²	Ratio: 3.96 AA 18pt ²		Ratio: 5.17 AA ¹ AAA 18pt ⁴	Ratio: 1.03 Failed ⁵
Hex(000000)	Ratio: 19.52 Passed ⁶	Ratio: 20.43 Passed ⁶	Ratio: 20.46 Passed ⁶	Ratio: 5.17 AA ¹ AAA 18pt ⁴		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 3.67 AA 18pt ²	Ratio: 3.84 AA 18pt ²	Ratio: 3.85 AA 18pt ²	Ratio: 1.03 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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