

Converting Colors - WCAG Matrix

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

Hex(F0F3FF) Hex(FAFBFF) Hex(F0FFFC) Hex(7D7D80) Hex(000000) Hex(808080)

	Hex(F0F3FF)	Hex(FAFBFF)	Hex(F0FFFC)	Hex(7D7D80)	Hex(000000)	Hex(808080)
Hex(F0F3FF)		Ratio: 1.07 Failed ⁵	Ratio: 1.08 Failed ⁵	Ratio: 3.71 AA 18pt ²	Ratio: 18.97 Passed ⁶	Ratio: 3.57 AA 18pt ²
Hex(FAFBFF)	Ratio: 1.07 Failed ⁵		Ratio: 1.01 Failed ⁵	Ratio: 3.97 AA 18pt ²	Ratio: 20.31 Passed ⁶	Ratio: 3.82 AA 18pt ²
Hex(F0FFFC)	Ratio: 1.08 Failed ⁵	Ratio: 1.01 Failed ⁵		Ratio: 3.99 AA 18pt ²	Ratio: 20.41 Passed ⁶	Ratio: 3.84 AA 18pt ²
Hex(7D7D80)	Ratio: 3.71 AA 18pt ²	Ratio: 3.97 AA 18pt ²	Ratio: 3.99 AA 18pt ²		Ratio: 5.12 AA ¹ AAA 18pt ⁴	Ratio: 1.04 Failed ⁵
Hex(000000)	Ratio: 18.97 Passed ⁶	Ratio: 20.31 Passed ⁶	Ratio: 20.41 Passed ⁶	Ratio: 5.12 AA ¹ AAA 18pt ⁴		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 3.57 AA 18pt ²	Ratio: 3.82 AA 18pt ²	Ratio: 3.84 AA 18pt ²	Ratio: 1.04 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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