

Converting Colors - WCAG Matrix

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

Hex(FFF2FF) Hex(FFFAFF) Hex(F2F2FF) Hex(807D80) Hex(000000) Hex(808080)

	Hex(FFF2FF)	Hex(FFFAFF)	Hex(F2F2FF)	Hex(807D80)	Hex(000000)	Hex(808080)
Hex(FFF2FF)		Ratio: 1.05 Failed ⁵	Ratio: 1.03 Failed ⁵	Ratio: 3.76 AA 18pt ²	Ratio: 19.40 Passed ⁶	Ratio: 3.65 AA 18pt ²
Hex(FFFAFF)	Ratio: 1.05 Failed ⁵		Ratio: 1.08 Failed ⁵	Ratio: 3.95 AA 18pt ²	Ratio: 20.37 Passed ⁶	Ratio: 3.83 AA 18pt ²
Hex(F2F2FF)	Ratio: 1.03 Failed ⁵	Ratio: 1.08 Failed ⁵		Ratio: 3.66 AA 18pt ²	Ratio: 18.92 Passed ⁶	Ratio: 3.56 AA 18pt ²
Hex(807D80)	Ratio: 3.76 AA 18pt ²	Ratio: 3.95 AA 18pt ²	Ratio: 3.66 AA 18pt ²		Ratio: 5.16 AA ¹ AAA 18pt ⁴	Ratio: 1.03 Failed ⁵
Hex(000000)	Ratio: 19.40 Passed ⁶	Ratio: 20.37 Passed ⁶	Ratio: 18.92 Passed ⁶	Ratio: 5.16 AA ¹ AAA 18pt ⁴		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 3.65 AA 18pt ²	Ratio: 3.83 AA 18pt ²	Ratio: 3.56 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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