

Converting Colors - WCAG Matrix

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

Hex(D9E9F2) Hex(F7FCFF) Hex(D9F2E2) Hex(7A7E80) Hex(000000) Hex(808080)

	Hex(D9E9F2)	Hex(F7FCFF)	Hex(D9F2E2)	Hex(7A7E80)	Hex(000000)	Hex(808080)
Hex(D9E9F2)		Ratio: 1.20 Failed ⁵	Ratio: 1.05 Failed ⁵	Ratio: 3.30 AA 18pt ²	Ratio: 16.89 Passed ⁶	Ratio: 3.18 AA 18pt ²
Hex(F7FCFF)	Ratio: 1.20 Failed ⁵		Ratio: 1.14 Failed ⁵	Ratio: 3.97 AA 18pt ²	Ratio: 20.32 Passed ⁶	Ratio: 3.82 AA 18pt ²
Hex(D9F2E2)	Ratio: 1.05 Failed ⁵	Ratio: 1.14 Failed ⁵		Ratio: 3.46 AA 18pt ²	Ratio: 17.75 Passed ⁶	Ratio: 3.34 AA 18pt ²
Hex(7A7E80)	Ratio: 3.30 AA 18pt ²	Ratio: 3.97 AA 18pt ²	Ratio: 3.46 AA 18pt ²		Ratio: 5.12 AA ¹ AAA 18pt ⁴	Ratio: 1.04 Failed ⁵
Hex(000000)	Ratio: 16.89 Passed ⁶	Ratio: 20.32 Passed ⁶	Ratio: 17.75 Passed ⁶	Ratio: 5.12 AA ¹ AAA 18pt ⁴		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 3.18 AA 18pt ²	Ratio: 3.82 AA 18pt ²	Ratio: 3.34 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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