

Converting Colors - WCAG Matrix

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

Hex(D9DEFF) Hex(F2F4FF) Hex(D9FFFA) Hex(787980) Hex(000000) Hex(808080)

	Hex(D9DEFF)	Hex(F2F4FF)	Hex(D9FFFA)	Hex(787980)	Hex(000000)	Hex(808080)
Hex(D9DEFF)		Ratio: 1.21 Failed ⁵	Ratio: 1.24 Failed ⁵	Ratio: 3.27 AA 18pt ²	Ratio: 15.84 Passed ⁶	Ratio: 2.98 Failed ⁵
Hex(F2F4FF)	Ratio: 1.21 Failed ⁵		Ratio: 1.02 Failed ⁵	Ratio: 3.95 AA 18pt ²	Ratio: 19.16 Passed ⁶	Ratio: 3.60 AA 18pt ²
Hex(D9FFFA)	Ratio: 1.24 Failed ⁵	Ratio: 1.02 Failed ⁵		Ratio: 4.05 AA 18pt ²	Ratio: 19.63 Passed ⁶	Ratio: 3.69 AA 18pt ²
Hex(787980)	Ratio: 3.27 AA 18pt ²	Ratio: 3.95 AA 18pt ²	Ratio: 4.05 AA 18pt ²		Ratio: 4.85 AA ¹ AAA 18pt ⁴	Ratio: 1.10 Failed ⁵
Hex(000000)	Ratio: 15.84 Passed ⁶	Ratio: 19.16 Passed ⁶	Ratio: 19.63 Passed ⁶	Ratio: 4.85 AA ¹ AAA 18pt ⁴		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 2.98 Failed ⁵	Ratio: 3.60 AA 18pt ²	Ratio: 3.69 AA 18pt ²	Ratio: 1.10 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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