

Converting Colors - WCAG Matrix

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

Hex(D5FFEE) Hex(F2FFFA) Hex(E7FFD5) Hex(78807C) Hex(000000) Hex(808080)

	Hex(D5FFEE)	Hex(F2FFFA)	Hex(E7FFD5)	Hex(78807C)	Hex(000000)	Hex(808080)
Hex(D5FFEE)		Ratio: 1.06 Failed ⁵	Ratio: 1.02 Failed ⁵	Ratio: 3.74 AA 18pt ²	Ratio: 19.37 Passed ⁶	Ratio: 3.64 AA 18pt ²
Hex(F2FFFA)	Ratio: 1.06 Failed ⁵		Ratio: 1.04 Failed ⁵	Ratio: 3.95 AA 18pt ²	Ratio: 20.46 Passed ⁶	Ratio: 3.85 AA 18pt ²
Hex(E7FFD5)	Ratio: 1.02 Failed ⁵	Ratio: 1.04 Failed ⁵		Ratio: 3.80 AA 18pt ²	Ratio: 19.66 Passed ⁶	Ratio: 3.70 AA 18pt ²
Hex(78807C)	Ratio: 3.74 AA 18pt ²	Ratio: 3.95 AA 18pt ²	Ratio: 3.80 AA 18pt ²		Ratio: 5.18 AA ¹ AAA 18pt ⁴	Ratio: 1.03 Failed ⁵
Hex(000000)	Ratio: 19.37 Passed ⁶	Ratio: 20.46 Passed ⁶	Ratio: 19.66 Passed ⁶	Ratio: 5.18 AA ¹ AAA 18pt ⁴		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 3.64 AA 18pt ²	Ratio: 3.85 AA 18pt ²	Ratio: 3.70 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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