

Converting Colors - WCAG Matrix

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

Hex(5FA8D9) Hex(D4EEFF) Hex(5FD990) Hex(667580) Hex(000000) Hex(808080)

	Hex(5FA8D9)	Hex(D4EEFF)	Hex(5FD990)	Hex(667580)	Hex(000000)	Hex(808080)
Hex(5FA8D9)		Ratio: 2.16 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 8.09 Passed ⁶	Ratio: 1.52 Failed ⁵
Hex(D4EEFF)	Ratio: 2.16 Failed ⁵		Ratio: 1.48 Failed ⁵	Ratio: 3.95 AA 18pt ²	Ratio: 17.47 Passed ⁶	Ratio: 3.29 AA 18pt ²
Hex(5FD990)	Ratio: 1.46 Failed ⁵	Ratio: 1.48 Failed ⁵		Ratio: 2.67 Failed ⁵	Ratio: 11.81 Passed ⁶	Ratio: 2.22 Failed ⁵
Hex(667580)	Ratio: 1.83 Failed ⁵	Ratio: 3.95 AA 18pt ²	Ratio: 2.67 Failed ⁵		Ratio: 4.42 AA 18pt ²	Ratio: 1.20 Failed ⁵
Hex(000000)	Ratio: 8.09 Passed ⁶	Ratio: 17.47 Passed ⁶	Ratio: 11.81 Passed ⁶	Ratio: 4.42 AA 18pt ²		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 1.52 Failed ⁵	Ratio: 3.29 AA 18pt ²	Ratio: 2.22 Failed ⁵	Ratio: 1.20 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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