

Converting Colors - WCAG Matrix

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

Hex(54BFFE) Hex(CCECFF) Hex(54FE92) Hex(617480) Hex(000000) Hex(808080)

	Hex(54BFFE)	Hex(CCECFF)	Hex(54FE92)	Hex(617480)	Hex(000000)	Hex(808080)
Hex(54BFFE)		Ratio: 1.66 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 2.38 Failed ⁵	Ratio: 10.26 Passed ⁶	Ratio: 1.93 Failed ⁵
Hex(CCECFF)	Ratio: 1.66 Failed ⁵		Ratio: 1.07 Failed ⁵	Ratio: 3.94 AA 18pt ²	Ratio: 17.01 Passed ⁶	Ratio: 3.20 AA 18pt ²
Hex(54FE92)	Ratio: 1.56 Failed ⁵	Ratio: 1.07 Failed ⁵		Ratio: 3.70 AA 18pt ²	Ratio: 15.97 Passed ⁶	Ratio: 3.00 AA 18pt ²
Hex(617480)	Ratio: 2.38 Failed ⁵	Ratio: 3.94 AA 18pt ²	Ratio: 3.70 AA 18pt ²		Ratio: 4.32 AA 18pt ²	Ratio: 1.23 Failed ⁵
Hex(000000)	Ratio: 10.26 Passed ⁶	Ratio: 17.01 Passed ⁶	Ratio: 15.97 Passed ⁶	Ratio: 4.32 AA 18pt ²		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 1.93 Failed ⁵	Ratio: 3.20 AA 18pt ²	Ratio: 3.00 AA 18pt ²	Ratio: 1.23 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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