

Converting Colors - WCAG Matrix

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

Hex(05FF4A) Hex(B5FFC9) Hex(BCFF05) Hex(53805E) Hex(000000) Hex(808080)

	Hex(05FF4A)	Hex(B5FFC9)	Hex(BCFF05)	Hex(53805E)	Hex(000000)	Hex(808080)
Hex(05FF4A)		Ratio: 1.18 Failed ⁵	Ratio: 1.13 Failed ⁵	Ratio: 3.34 AA 18pt ²	Ratio: 15.41 Passed ⁶	Ratio: 2.90 Failed ⁵
Hex(B5FFC9)	Ratio: 1.18 Failed ⁵		Ratio: 1.04 Failed ⁵	Ratio: 3.92 AA 18pt ²	Ratio: 18.11 Passed ⁶	Ratio: 3.41 AA 18pt ²
Hex(BCFF05)	Ratio: 1.13 Failed ⁵	Ratio: 1.04 Failed ⁵		Ratio: 3.78 AA 18pt ²	Ratio: 17.44 Passed ⁶	Ratio: 3.28 AA 18pt ²
Hex(53805E)	Ratio: 3.34 AA 18pt ²	Ratio: 3.92 AA 18pt ²	Ratio: 3.78 AA 18pt ²		Ratio: 4.62 AA ¹ AAA 18pt ⁴	Ratio: 1.15 Failed ⁵
Hex(000000)	Ratio: 15.41 Passed ⁶	Ratio: 18.11 Passed ⁶	Ratio: 17.44 Passed ⁶	Ratio: 4.62 AA ¹ AAA 18pt ⁴		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 2.90 Failed ⁵	Ratio: 3.41 AA 18pt ²	Ratio: 3.28 AA 18pt ²	Ratio: 1.15 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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