

Converting Colors - WCAG Matrix

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

Hex(3371FF) Hex(C2D4FF) Hex(33FFBE) Hex(5B6680) Hex(000000) Hex(808080)

	Hex(3371FF)	Hex(C2D4FF)	Hex(33FFBE)	Hex(5B6680)	Hex(000000)	Hex(808080)
Hex(3371FF)		Ratio: 2.86 Failed ⁵	Ratio: 3.27 AA 18pt ²	Ratio: 1.35 Failed ⁵	Ratio: 4.95 AA ¹ AAA 18pt ⁴	Ratio: 1.07 Failed ⁵
Hex(C2D4FF)	Ratio: 2.86 Failed ⁵		Ratio: 1.14 Failed ⁵	Ratio: 3.87 AA 18pt ²	Ratio: 14.16 Passed ⁶	Ratio: 2.66 Failed ⁵
Hex(33FFBE)	Ratio: 3.27 AA 18pt ²	Ratio: 1.14 Failed ⁵		Ratio: 4.43 AA 18pt ²	Ratio: 16.19 Passed ⁶	Ratio: 3.04 AA 18pt ²
Hex(5B6680)	Ratio: 1.35 Failed ⁵	Ratio: 3.87 AA 18pt ²	Ratio: 4.43 AA 18pt ²		Ratio: 3.66 AA 18pt ²	Ratio: 1.45 Failed ⁵
Hex(000000)	Ratio: 4.95 AA ¹ AAA 18pt ⁴	Ratio: 14.16 Passed ⁶	Ratio: 16.19 Passed ⁶	Ratio: 3.66 AA 18pt ²		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 1.07 Failed ⁵	Ratio: 2.66 Failed ⁵	Ratio: 3.04 AA 18pt ²	Ratio: 1.45 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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