

Converting Colors - WCAG Matrix

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

Hex(FF3333) Hex(FFC2C2) Hex(FF33FF) Hex(805B5B) Hex(000000) Hex(808080)

	Hex(FF3333)	Hex(FFC2C2)	Hex(FF33FF)	Hex(805B5B)	Hex(000000)	Hex(808080)
Hex(FF3333)		Ratio: 2.38 Failed ⁵	Ratio: 1.24 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 5.77 AA ¹ AAA 18pt ⁴	Ratio: 1.09 Failed ⁵
Hex(FFC2C2)	Ratio: 2.38 Failed ⁵		Ratio: 1.92 Failed ⁵	Ratio: 3.86 AA 18pt ²	Ratio: 13.75 Passed ⁶	Ratio: 2.59 Failed ⁵
Hex(FF33FF)	Ratio: 1.24 Failed ⁵	Ratio: 1.92 Failed ⁵		Ratio: 2.01 Failed ⁵	Ratio: 7.17 Passed ⁶	Ratio: 1.35 Failed ⁵
Hex(805B5B)	Ratio: 1.62 Failed ⁵	Ratio: 3.86 AA 18pt ²	Ratio: 2.01 Failed ⁵		Ratio: 3.57 AA 18pt ²	Ratio: 1.49 Failed ⁵
Hex(000000)	Ratio: 5.77 AA ¹ AAA 18pt ⁴	Ratio: 13.75 Passed ⁶	Ratio: 7.17 Passed ⁶	Ratio: 3.57 AA 18pt ²		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 1.09 Failed ⁵	Ratio: 2.59 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.49 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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