

Converting Colors - WCAG Matrix

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

Hex(FF3FFF) Hex(FFC4FF) Hex(3F3FFF) Hex(805C80) Hex(000000) Hex(808080)

	Hex(FF3FFF)	Hex(FFC4FF)	Hex(3F3FFF)	Hex(805C80)	Hex(000000)	Hex(808080)
Hex(FF3FFF)		Ratio: 1.97 Failed ⁵	Ratio: 2.20 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 7.41 Passed ⁶	Ratio: 1.39 Failed ⁵
Hex(FFC4FF)	Ratio: 1.97 Failed ⁵		Ratio: 4.33 AA 18pt ²	Ratio: 3.88 AA 18pt ²	Ratio: 14.59 Passed ⁶	Ratio: 2.74 Failed ⁵
Hex(3F3FFF)	Ratio: 2.20 Failed ⁵	Ratio: 4.33 AA 18pt ²		Ratio: 1.12 Failed ⁵	Ratio: 3.37 AA 18pt ²	Ratio: 1.58 Failed ⁵
Hex(805C80)	Ratio: 1.97 Failed ⁵	Ratio: 3.88 AA 18pt ²	Ratio: 1.12 Failed ⁵		Ratio: 3.76 AA 18pt ²	Ratio: 1.41 Failed ⁵
Hex(000000)	Ratio: 7.41 Passed ⁶	Ratio: 14.59 Passed ⁶	Ratio: 3.37 AA 18pt ²	Ratio: 3.76 AA 18pt ²		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 1.39 Failed ⁵	Ratio: 2.74 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.41 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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