

Converting Colors - WCAG Matrix

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

Hex(FF46F6) Hex(FFC7FC) Hex(4C46FF) Hex(805E7E) Hex(000000) Hex(808080)

	Hex(FF46F6)	Hex(FFC7FC)	Hex(4C46FF)	Hex(805E7E)	Hex(000000)	Hex(808080)
Hex(FF46F6)		Ratio: 1.99 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 7.46 Passed ⁶	Ratio: 1.40 Failed ⁵
Hex(FFC7FC)	Ratio: 1.99 Failed ⁵		Ratio: 4.09 AA 18pt ²	Ratio: 3.88 AA 18pt ²	Ratio: 14.83 Passed ⁶	Ratio: 2.79 Failed ⁵
Hex(4C46FF)	Ratio: 2.06 Failed ⁵	Ratio: 4.09 AA 18pt ²		Ratio: 1.05 Failed ⁵	Ratio: 3.63 AA 18pt ²	Ratio: 1.47 Failed ⁵
Hex(805E7E)	Ratio: 1.95 Failed ⁵	Ratio: 3.88 AA 18pt ²	Ratio: 1.05 Failed ⁵		Ratio: 3.82 AA 18pt ²	Ratio: 1.39 Failed ⁵
Hex(000000)	Ratio: 7.46 Passed ⁶	Ratio: 14.83 Passed ⁶	Ratio: 3.63 AA 18pt ²	Ratio: 3.82 AA 18pt ²		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 1.40 Failed ⁵	Ratio: 2.79 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.39 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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