

Converting Colors - WCAG Matrix

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

Hex(FF4D4D) Hex(FFC9C9) Hex(FF4DFF) Hex(806060) Hex(000000) Hex(808080)

	Hex(FF4D4D)	Hex(FFC9C9)	Hex(FF4DFF)	Hex(806060)	Hex(000000)	Hex(808080)
Hex(FF4D4D)		Ratio: 2.25 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 6.42 AA ¹ AAA 18pt ⁴	Ratio: 1.21 Failed ⁵
Hex(FFC9C9)	Ratio: 2.25 Failed ⁵		Ratio: 1.86 Failed ⁵	Ratio: 3.84 AA 18pt ²	Ratio: 14.45 Passed ⁶	Ratio: 2.72 Failed ⁵
Hex(FF4DFF)	Ratio: 1.21 Failed ⁵	Ratio: 1.86 Failed ⁵		Ratio: 2.06 Failed ⁵	Ratio: 7.76 Passed ⁶	Ratio: 1.46 Failed ⁵
Hex(806060)	Ratio: 1.71 Failed ⁵	Ratio: 3.84 AA 18pt ²	Ratio: 2.06 Failed ⁵		Ratio: 3.76 AA 18pt ²	Ratio: 1.41 Failed ⁵
Hex(000000)	Ratio: 6.42 AA ¹ AAA 18pt ⁴	Ratio: 14.45 Passed ⁶	Ratio: 7.76 Passed ⁶	Ratio: 3.76 AA 18pt ²		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 1.21 Failed ⁵	Ratio: 2.72 Failed ⁵	Ratio: 1.46 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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