

Converting Colors - WCAG Matrix

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

Hex(FF4A4A) Hex(FF2626) Hex(A7FF4A) Hex(807373) Hex(BF0000) Hex(400000)

	Hex(FF4A4A)	Hex(FF2626)	Hex(A7FF4A)	Hex(807373)	Hex(BF0000)	Hex(400000)
Hex(FF4A4A)		Ratio: 1.14 Failed ⁵	Ratio: 2.69 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 5.20 AA ¹ AAA 18pt ⁴
Hex(FF2626)	Ratio: 1.14 Failed ⁵		Ratio: 3.07 AA 18pt ²	Ratio: 1.20 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 4.56 AA ¹ AAA 18pt ⁴
Hex(A7FF4A)	Ratio: 2.69 Failed ⁵	Ratio: 3.07 AA 18pt ²		Ratio: 3.69 AA 18pt ²	Ratio: 5.30 AA ¹ AAA 18pt ⁴	Ratio: 14.00 Passed ⁶
Hex(807373)	Ratio: 1.37 Failed ⁵	Ratio: 1.20 Failed ⁵	Ratio: 3.69 AA 18pt ²		Ratio: 1.44 Failed ⁵	Ratio: 3.79 AA 18pt ²
Hex(BF0000)	Ratio: 1.97 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 5.30 AA ¹ AAA 18pt ⁴	Ratio: 1.44 Failed ⁵		Ratio: 2.64 Failed ⁵
Hex(400000)	Ratio: 5.20 AA ¹ AAA 18pt ⁴	Ratio: 4.56 AA ¹ AAA 18pt ⁴	Ratio: 14.00 Passed ⁶	Ratio: 3.79 AA 18pt ²	Ratio: 2.64 Failed ⁵	

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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