

Converting Colors - WCAG Matrix

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

Hex(FF8A8A) Hex(FF7373) Hex(FFC48A) Hex(7F7373) Hex(BF0000) Hex(400000)

	Hex(FF8A8A)	Hex(FF7373)	Hex(FFC48A)	Hex(7F7373)	Hex(BF0000)	Hex(400000)
Hex(FF8A8A)		Ratio: 1.16 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.88 Failed ⁵	Ratio: 7.60 Passed ⁶
Hex(FF7373)	Ratio: 1.16 Failed ⁵		Ratio: 1.70 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 2.47 Failed ⁵	Ratio: 6.53 AA ¹ AAA 18pt ⁴
Hex(FFC48A)	Ratio: 1.46 Failed ⁵	Ratio: 1.70 Failed ⁵		Ratio: 2.94 Failed ⁵	Ratio: 4.20 AA 18pt ²	Ratio: 11.10 Passed ⁶
Hex(7F7373)	Ratio: 2.01 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 2.94 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 3.78 AA 18pt ²
Hex(BF0000)	Ratio: 2.88 Failed ⁵	Ratio: 2.47 Failed ⁵	Ratio: 4.20 AA 18pt ²	Ratio: 1.43 Failed ⁵		Ratio: 2.64 Failed ⁵
Hex(400000)	Ratio: 7.60 Passed ⁶	Ratio: 6.53 AA ¹ AAA 18pt ⁴	Ratio: 11.10 Passed ⁶	Ratio: 3.78 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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