

Converting Colors - WCAG Matrix

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

Hex(FFFFFFE7) Hex(FFFFFFF7) Hex(FFE7E7) Hex(80807A) Hex(000000) Hex(808080)

	Hex(FFFFFFE7)	Hex(FFFFFFF7)	Hex(FFE7E7)	Hex(80807A)	Hex(000000)	Hex(808080)
Hex(FFFFFFE7)		Ratio: 1.01 Failed ⁵	Ratio: 1.16 Failed ⁵	Ratio: 3.92 AA 18pt ²	Ratio: 20.71 Passed ⁶	Ratio: 3.89 AA 18pt ²
Hex(FFFFFFF7)	Ratio: 1.01 Failed ⁵		Ratio: 1.17 Failed ⁵	Ratio: 3.95 AA 18pt ²	Ratio: 20.90 Passed ⁶	Ratio: 3.93 AA 18pt ²
Hex(FFE7E7)	Ratio: 1.16 Failed ⁵	Ratio: 1.17 Failed ⁵		Ratio: 3.37 AA 18pt ²	Ratio: 17.84 Passed ⁶	Ratio: 3.35 AA 18pt ²
Hex(80807A)	Ratio: 3.92 AA 18pt ²	Ratio: 3.95 AA 18pt ²	Ratio: 3.37 AA 18pt ²		Ratio: 5.29 AA ¹ AAA 18pt ⁴	Ratio: 1.01 Failed ⁵
Hex(000000)	Ratio: 20.71 Passed ⁶	Ratio: 20.90 Passed ⁶	Ratio: 17.84 Passed ⁶	Ratio: 5.29 AA ¹ AAA 18pt ⁴		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 3.89 AA 18pt ²	Ratio: 3.93 AA 18pt ²	Ratio: 3.35 AA 18pt ²	Ratio: 1.01 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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