

Converting Colors - WCAG Matrix

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

Hex(FFFACC) Hex(FFFEF0) Hex(FFCCD1) Hex(807F77) Hex(000000) Hex(808080)

	Hex(FFFACC)	Hex(FFFEF0)	Hex(FFCCD1)	Hex(807F77)	Hex(000000)	Hex(808080)
Hex(FFFACC)		Ratio: 1.04 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 3.79 AA 18pt ²	Ratio: 19.80 Passed ⁶	Ratio: 3.72 AA 18pt ²
Hex(FFFEF0)	Ratio: 1.04 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 3.96 AA 18pt ²	Ratio: 20.69 Passed ⁶	Ratio: 3.89 AA 18pt ²
Hex(FFCCD1)	Ratio: 1.34 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 2.84 Failed ⁵	Ratio: 14.81 Passed ⁶	Ratio: 2.79 Failed ⁵
Hex(807F77)	Ratio: 3.79 AA 18pt ²	Ratio: 3.96 AA 18pt ²	Ratio: 2.84 Failed ⁵		Ratio: 5.22 AA ¹ AAA 18pt ⁴	Ratio: 1.02 Failed ⁵
Hex(000000)	Ratio: 19.80 Passed ⁶	Ratio: 20.69 Passed ⁶	Ratio: 14.81 Passed ⁶	Ratio: 5.22 AA ¹ AAA 18pt ⁴		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 3.72 AA 18pt ²	Ratio: 3.89 AA 18pt ²	Ratio: 2.79 Failed ⁵	Ratio: 1.02 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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