

Converting Colors - WCAG Matrix

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

Hex(FFFE8) **Hex(FFFF7)** **Hex(FFE8E9)** **Hex(807F7A)** **Hex(000000)** **Hex(808080)**

	Hex(FFFE8)	Hex(FFFF7)	Hex(FFE8E9)	Hex(807F7A)	Hex(000000)	Hex(808080)
Hex(FFFE8)		Ratio: 1.01 Failed ⁵	Ratio: 1.15 Failed ⁵	Ratio: 3.93 AA 18pt ²	Ratio: 20.59 Passed ⁶	Ratio: 3.87 AA 18pt ²
Hex(FFFF7)	Ratio: 1.01 Failed ⁵		Ratio: 1.16 Failed ⁵	Ratio: 3.99 AA 18pt ²	Ratio: 20.90 Passed ⁶	Ratio: 3.93 AA 18pt ²
Hex(FFE8E9)	Ratio: 1.15 Failed ⁵	Ratio: 1.16 Failed ⁵		Ratio: 3.43 AA 18pt ²	Ratio: 17.97 Passed ⁶	Ratio: 3.38 AA 18pt ²
Hex(807F7A)	Ratio: 3.93 AA 18pt ²	Ratio: 3.99 AA 18pt ²	Ratio: 3.43 AA 18pt ²		Ratio: 5.23 AA ¹ AAA 18pt ⁴	Ratio: 1.02 Failed ⁵
Hex(000000)	Ratio: 20.59 Passed ⁶	Ratio: 20.90 Passed ⁶	Ratio: 17.97 Passed ⁶	Ratio: 5.23 AA ¹ AAA 18pt ⁴		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 3.87 AA 18pt ²	Ratio: 3.93 AA 18pt ²	Ratio: 3.38 AA 18pt ²	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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