

Converting Colors - WCAG Matrix

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

Hex(FFE4F3) Hex(FFF7FC) Hex(F0E4FF) Hex(807A7D) Hex(000000) Hex(808080)

	Hex(FFE4F3)	Hex(FFF7FC)	Hex(F0E4FF)	Hex(807A7D)	Hex(000000)	Hex(808080)
Hex(FFE4F3)		Ratio: 1.13 Failed ⁵	Ratio: 1.02 Failed ⁵	Ratio: 3.53 AA 18pt ²	Ratio: 17.64 Passed ⁶	Ratio: 3.32 AA 18pt ²
Hex(FFF7FC)	Ratio: 1.13 Failed ⁵		Ratio: 1.16 Failed ⁵	Ratio: 3.99 AA 18pt ²	Ratio: 19.96 Passed ⁶	Ratio: 3.75 AA 18pt ²
Hex(F0E4FF)	Ratio: 1.02 Failed ⁵	Ratio: 1.16 Failed ⁵		Ratio: 3.45 AA 18pt ²	Ratio: 17.25 Passed ⁶	Ratio: 3.24 AA 18pt ²
Hex(807A7D)	Ratio: 3.53 AA 18pt ²	Ratio: 3.99 AA 18pt ²	Ratio: 3.45 AA 18pt ²		Ratio: 5.00 AA ¹ AAA 18pt ⁴	Ratio: 1.06 Failed ⁵
Hex(000000)	Ratio: 17.64 Passed ⁶	Ratio: 19.96 Passed ⁶	Ratio: 17.25 Passed ⁶	Ratio: 5.00 AA ¹ AAA 18pt ⁴		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 3.32 AA 18pt ²	Ratio: 3.75 AA 18pt ²	Ratio: 3.24 AA 18pt ²	Ratio: 1.06 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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