

Converting Colors - WCAG Matrix

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

Hex(F5E3FA) Hex(FDF7FF) Hex(E3E8FA) Hex(7E7A80) Hex(000000) Hex(808080)

	Hex(F5E3FA)	Hex(FDF7FF)	Hex(E3E8FA)	Hex(7E7A80)	Hex(000000)	Hex(808080)
Hex(F5E3FA)		Ratio: 1.16 Failed ⁵	Ratio: 1.00 Failed ⁵	Ratio: 3.46 AA 18pt ²	Ratio: 17.25 Passed ⁶	Ratio: 3.24 AA 18pt ²
Hex(FDF7FF)	Ratio: 1.16 Failed ⁵		Ratio: 1.16 Failed ⁵	Ratio: 4.00 AA 18pt ²	Ratio: 19.92 Passed ⁶	Ratio: 3.75 AA 18pt ²
Hex(E3E8FA)	Ratio: 1.00 Failed ⁵	Ratio: 1.16 Failed ⁵		Ratio: 3.45 AA 18pt ²	Ratio: 17.19 Passed ⁶	Ratio: 3.23 AA 18pt ²
Hex(7E7A80)	Ratio: 3.46 AA 18pt ²	Ratio: 4.00 AA 18pt ²	Ratio: 3.45 AA 18pt ²		Ratio: 4.98 AA ¹ AAA 18pt ⁴	Ratio: 1.07 Failed ⁵
Hex(000000)	Ratio: 17.25 Passed ⁶	Ratio: 19.92 Passed ⁶	Ratio: 17.19 Passed ⁶	Ratio: 4.98 AA ¹ AAA 18pt ⁴		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 3.24 AA 18pt ²	Ratio: 3.75 AA 18pt ²	Ratio: 3.23 AA 18pt ²	Ratio: 1.07 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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