

Converting Colors - WCAG Matrix

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

Hex(E7E3F8) Hex(F9F7FF) Hex(E3F4F8) Hex(7B7A80) Hex(000000) Hex(808080)

	Hex(E7E3F8)	Hex(F9F7FF)	Hex(E3F4F8)	Hex(7B7A80)	Hex(000000)	Hex(808080)
Hex(E7E3F8)		Ratio: 1.18 Failed ⁵	Ratio: 1.11 Failed ⁵	Ratio: 3.39 AA 18pt ²	Ratio: 16.74 Passed ⁶	Ratio: 3.15 AA 18pt ²
Hex(F9F7FF)	Ratio: 1.18 Failed ⁵		Ratio: 1.07 Failed ⁵	Ratio: 4.01 AA 18pt ²	Ratio: 19.78 Passed ⁶	Ratio: 3.72 AA 18pt ²
Hex(E3F4F8)	Ratio: 1.11 Failed ⁵	Ratio: 1.07 Failed ⁵		Ratio: 3.76 AA 18pt ²	Ratio: 18.56 Passed ⁶	Ratio: 3.49 AA 18pt ²
Hex(7B7A80)	Ratio: 3.39 AA 18pt ²	Ratio: 4.01 AA 18pt ²	Ratio: 3.76 AA 18pt ²		Ratio: 4.94 AA ¹ AAA 18pt ⁴	Ratio: 1.08 Failed ⁵
Hex(000000)	Ratio: 16.74 Passed ⁶	Ratio: 19.78 Passed ⁶	Ratio: 18.56 Passed ⁶	Ratio: 4.94 AA ¹ AAA 18pt ⁴		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 3.15 AA 18pt ²	Ratio: 3.72 AA 18pt ²	Ratio: 3.49 AA 18pt ²	Ratio: 1.08 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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