

Converting Colors - WCAG Matrix

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

Hex(E0E1EB) Hex(FCFDFE) Hex(E0EBEA) Hex(7E7E7F) Hex(000000) Hex(808080)

	Hex(E0E1EB)	Hex(FCFDFE)	Hex(E0EBEA)	Hex(7E7E7F)	Hex(000000)	Hex(808080)
Hex(E0E1EB)		Ratio: 1.28 Failed ⁵	Ratio: 1.07 Failed ⁵	Ratio: 3.12 AA 18pt ²	Ratio: 16.14 Passed ⁶	Ratio: 3.04 AA 18pt ²
Hex(FCFDFE)	Ratio: 1.28 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 3.98 AA 18pt ²	Ratio: 20.63 Passed ⁶	Ratio: 3.88 AA 18pt ²
Hex(E0EBEA)	Ratio: 1.07 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 3.33 AA 18pt ²	Ratio: 17.24 Passed ⁶	Ratio: 3.24 AA 18pt ²
Hex(7E7E7F)	Ratio: 3.12 AA 18pt ²	Ratio: 3.98 AA 18pt ²	Ratio: 3.33 AA 18pt ²		Ratio: 5.18 AA ¹ AAA 18pt ⁴	Ratio: 1.03 Failed ⁵
Hex(000000)	Ratio: 16.14 Passed ⁶	Ratio: 20.63 Passed ⁶	Ratio: 17.24 Passed ⁶	Ratio: 5.18 AA ¹ AAA 18pt ⁴		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 3.04 AA 18pt ²	Ratio: 3.88 AA 18pt ²	Ratio: 3.24 AA 18pt ²	Ratio: 1.03 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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