

Converting Colors - WCAG Matrix

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

Hex(86E0E4) Hex(E0FEFF) Hex(86E489) Hex(6E7F80) Hex(000000) Hex(808080)

	Hex(86E0E4)	Hex(E0FEFF)	Hex(86E489)	Hex(6E7F80)	Hex(000000)	Hex(808080)
Hex(86E0E4)		Ratio: 1.43 Failed ⁵	Ratio: 1.02 Failed ⁵	Ratio: 2.75 Failed ⁵	Ratio: 13.80 Passed ⁶	Ratio: 2.59 Failed ⁵
Hex(E0FEFF)	Ratio: 1.43 Failed ⁵		Ratio: 1.47 Failed ⁵	Ratio: 3.95 AA 18pt ²	Ratio: 19.79 Passed ⁶	Ratio: 3.72 AA 18pt ²
Hex(86E489)	Ratio: 1.02 Failed ⁵	Ratio: 1.47 Failed ⁵		Ratio: 2.69 Failed ⁵	Ratio: 13.47 Passed ⁶	Ratio: 2.53 Failed ⁵
Hex(6E7F80)	Ratio: 2.75 Failed ⁵	Ratio: 3.95 AA 18pt ²	Ratio: 2.69 Failed ⁵		Ratio: 5.01 AA ¹ AAA 18pt ⁴	Ratio: 1.06 Failed ⁵
Hex(000000)	Ratio: 13.80 Passed ⁶	Ratio: 19.79 Passed ⁶	Ratio: 13.47 Passed ⁶	Ratio: 5.01 AA ¹ AAA 18pt ⁴		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 2.59 Failed ⁵	Ratio: 3.72 AA 18pt ²	Ratio: 2.53 Failed ⁵	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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