

Converting Colors - WCAG Matrix

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

Hex(8CD4EB) Hex(E0F8FF) Hex(8CEBA2) Hex(6E7B80) Hex(000000) Hex(808080)

	Hex(8CD4EB)	Hex(E0F8FF)	Hex(8CEBA2)	Hex(6E7B80)	Hex(000000)	Hex(808080)
Hex(8CD4EB)		Ratio: 1.50 Failed ⁵	Ratio: 1.14 Failed ⁵	Ratio: 2.65 Failed ⁵	Ratio: 12.73 Passed ⁶	Ratio: 2.39 Failed ⁵
Hex(E0F8FF)	Ratio: 1.50 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 3.96 AA 18pt ²	Ratio: 19.04 Passed ⁶	Ratio: 3.58 AA 18pt ²
Hex(8CEBA2)	Ratio: 1.14 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 3.02 AA 18pt ²	Ratio: 14.52 Passed ⁶	Ratio: 2.73 Failed ⁵
Hex(6E7B80)	Ratio: 2.65 Failed ⁵	Ratio: 3.96 AA 18pt ²	Ratio: 3.02 AA 18pt ²		Ratio: 4.81 AA ¹ AAA 18pt ⁴	Ratio: 1.11 Failed ⁵
Hex(000000)	Ratio: 12.73 Passed ⁶	Ratio: 19.04 Passed ⁶	Ratio: 14.52 Passed ⁶	Ratio: 4.81 AA ¹ AAA 18pt ⁴		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 2.39 Failed ⁵	Ratio: 3.58 AA 18pt ²	Ratio: 2.73 Failed ⁵	Ratio: 1.11 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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