

Converting Colors - WCAG Matrix

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

Hex(8585CC) Hex(E6E6FF) Hex(85CCCC) Hex(707080) Hex(000000) Hex(808080)

	Hex(8585CC)	Hex(E6E6FF)	Hex(85CCCC)	Hex(707080)	Hex(000000)	Hex(808080)
Hex(8585CC)		Ratio: 2.75 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 6.22 AA ¹ AAA 18pt ⁴	Ratio: 1.17 Failed ⁵
Hex(E6E6FF)	Ratio: 2.75 Failed ⁵		Ratio: 1.49 Failed ⁵	Ratio: 3.97 AA 18pt ²	Ratio: 17.13 Passed ⁶	Ratio: 3.22 AA 18pt ²
Hex(85CCCC)	Ratio: 1.85 Failed ⁵	Ratio: 1.49 Failed ⁵		Ratio: 2.66 Failed ⁵	Ratio: 11.51 Passed ⁶	Ratio: 2.16 Failed ⁵
Hex(707080)	Ratio: 1.44 Failed ⁵	Ratio: 3.97 AA 18pt ²	Ratio: 2.66 Failed ⁵		Ratio: 4.32 AA 18pt ²	Ratio: 1.23 Failed ⁵
Hex(000000)	Ratio: 6.22 AA ¹ AAA 18pt ⁴	Ratio: 17.13 Passed ⁶	Ratio: 11.51 Passed ⁶	Ratio: 4.32 AA 18pt ²		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 1.17 Failed ⁵	Ratio: 3.22 AA 18pt ²	Ratio: 2.16 Failed ⁵	Ratio: 1.23 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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