

Converting Colors - WCAG Matrix

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

Hex(8796FA) Hex(DBE0FF) Hex(87FAEB) Hex(6A6D80) Hex(000000) Hex(808080)

	Hex(8796FA)	Hex(DBE0FF)	Hex(87FAEB)	Hex(6A6D80)	Hex(000000)	Hex(808080)
Hex(8796FA)		Ratio: 2.07 Failed ⁵	Ratio: 2.17 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 7.77 Passed ⁶	Ratio: 1.46 Failed ⁵
Hex(DBE0FF)	Ratio: 2.07 Failed ⁵		Ratio: 1.05 Failed ⁵	Ratio: 3.92 AA 18pt ²	Ratio: 16.12 Passed ⁶	Ratio: 3.03 AA 18pt ²
Hex(87FAEB)	Ratio: 2.17 Failed ⁵	Ratio: 1.05 Failed ⁵		Ratio: 4.11 AA 18pt ²	Ratio: 16.90 Passed ⁶	Ratio: 3.18 AA 18pt ²
Hex(6A6D80)	Ratio: 1.89 Failed ⁵	Ratio: 3.92 AA 18pt ²	Ratio: 4.11 AA 18pt ²		Ratio: 4.11 AA 18pt ²	Ratio: 1.29 Failed ⁵
Hex(000000)	Ratio: 7.77 Passed ⁶	Ratio: 16.12 Passed ⁶	Ratio: 16.90 Passed ⁶	Ratio: 4.11 AA 18pt ²		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 1.46 Failed ⁵	Ratio: 3.03 AA 18pt ²	Ratio: 3.18 AA 18pt ²	Ratio: 1.29 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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