

Converting Colors - WCAG Matrix

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

Hex(9290F8) Hex(DEDEFF) Hex(90F6F8) Hex(6B6B80) Hex(000000) Hex(808080)

	Hex(9290F8)	Hex(DEDEFF)	Hex(90F6F8)	Hex(6B6B80)	Hex(000000)	Hex(808080)
Hex(9290F8)		Ratio: 2.11 Failed ⁵	Ratio: 2.21 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 7.57 Passed ⁶	Ratio: 1.42 Failed ⁵
Hex(DEDEFF)	Ratio: 2.11 Failed ⁵		Ratio: 1.05 Failed ⁵	Ratio: 3.96 AA 18pt ²	Ratio: 16.00 Passed ⁶	Ratio: 3.01 AA 18pt ²
Hex(90F6F8)	Ratio: 2.21 Failed ⁵	Ratio: 1.05 Failed ⁵		Ratio: 4.14 AA 18pt ²	Ratio: 16.72 Passed ⁶	Ratio: 3.15 AA 18pt ²
Hex(6B6B80)	Ratio: 1.87 Failed ⁵	Ratio: 3.96 AA 18pt ²	Ratio: 4.14 AA 18pt ²		Ratio: 4.04 AA 18pt ²	Ratio: 1.32 Failed ⁵
Hex(000000)	Ratio: 7.57 Passed ⁶	Ratio: 16.00 Passed ⁶	Ratio: 16.72 Passed ⁶	Ratio: 4.04 AA 18pt ²		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 1.42 Failed ⁵	Ratio: 3.01 AA 18pt ²	Ratio: 3.15 AA 18pt ²	Ratio: 1.32 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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