

Converting Colors - WCAG Matrix

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

Hex(4231E2) Hex(CAC4FF) Hex(31D3E2) Hex(5F5C80) Hex(000000) Hex(808080)

	Hex(4231E2)	Hex(CAC4FF)	Hex(31D3E2)	Hex(5F5C80)	Hex(000000)	Hex(808080)
Hex(4231E2)		Ratio: 4.64 AA ¹ AAA 18pt ⁴	Ratio: 4.17 AA 18pt ²	Ratio: 1.20 Failed ⁵	Ratio: 2.77 Failed ⁵	Ratio: 1.92 Failed ⁵
Hex(CAC4FF)	Ratio: 4.64 AA ¹ AAA 18pt ⁴		Ratio: 1.11 Failed ⁵	Ratio: 3.86 AA 18pt ²	Ratio: 12.85 Passed ⁶	Ratio: 2.42 Failed ⁵
Hex(31D3E2)	Ratio: 4.17 AA 18pt ²	Ratio: 1.11 Failed ⁵		Ratio: 3.47 AA 18pt ²	Ratio: 11.55 Passed ⁶	Ratio: 2.17 Failed ⁵
Hex(5F5C80)	Ratio: 1.20 Failed ⁵	Ratio: 3.86 AA 18pt ²	Ratio: 3.47 AA 18pt ²		Ratio: 3.33 AA 18pt ²	Ratio: 1.60 Failed ⁵
Hex(000000)	Ratio: 2.77 Failed ⁵	Ratio: 12.85 Passed ⁶	Ratio: 11.55 Passed ⁶	Ratio: 3.33 AA 18pt ²		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 1.92 Failed ⁵	Ratio: 2.42 Failed ⁵	Ratio: 2.17 Failed ⁵	Ratio: 1.60 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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