

Converting Colors - WCAG Matrix

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

Hex(4793FF) Hex(C7DEFF) Hex(47FFB2) Hex(5E6C80) Hex(000000) Hex(808080)

	Hex(4793FF)	Hex(C7DEFF)	Hex(47FFB2)	Hex(5E6C80)	Hex(000000)	Hex(808080)
Hex(4793FF)		Ratio: 2.23 Failed ⁵	Ratio: 2.35 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 6.89 AA ¹ AAA 18pt ⁴	Ratio: 1.29 Failed ⁵
Hex(C7DEFF)	Ratio: 2.23 Failed ⁵		Ratio: 1.06 Failed ⁵	Ratio: 3.90 AA 18pt ²	Ratio: 15.32 Passed ⁶	Ratio: 2.88 Failed ⁵
Hex(47FFB2)	Ratio: 2.35 Failed ⁵	Ratio: 1.06 Failed ⁵		Ratio: 4.12 AA 18pt ²	Ratio: 16.21 Passed ⁶	Ratio: 3.05 AA 18pt ²
Hex(5E6C80)	Ratio: 1.75 Failed ⁵	Ratio: 3.90 AA 18pt ²	Ratio: 4.12 AA 18pt ²		Ratio: 3.93 AA 18pt ²	Ratio: 1.35 Failed ⁵
Hex(000000)	Ratio: 6.89 AA ¹ AAA 18pt ⁴	Ratio: 15.32 Passed ⁶	Ratio: 16.21 Passed ⁶	Ratio: 3.93 AA 18pt ²		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 1.29 Failed ⁵	Ratio: 2.88 Failed ⁵	Ratio: 3.05 AA 18pt ²	Ratio: 1.35 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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