

Converting Colors - WCAG Matrix

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

Hex(5E91E9) Hex(478BFF) Hex(6E5EE9) Hex(6A6E75) Hex(0042B5) Hex(001436)

	Hex(5E91E9)	Hex(478BFF)	Hex(6E5EE9)	Hex(6A6E75)	Hex(0042B5)	Hex(001436)
Hex(5E91E9)		Ratio: 1.05 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 2.74 Failed ⁵	Ratio: 5.81 AA ¹ AAA 18pt ⁴
Hex(478BFF)	Ratio: 1.05 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 2.62 Failed ⁵	Ratio: 5.55 AA ¹ AAA 18pt ⁴
Hex(6E5EE9)	Ratio: 1.51 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.08 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 3.85 AA 18pt ²
Hex(6A6E75)	Ratio: 1.63 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.08 Failed ⁵		Ratio: 1.68 Failed ⁵	Ratio: 3.55 AA 18pt ²
Hex(0042B5)	Ratio: 2.74 Failed ⁵	Ratio: 2.62 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.68 Failed ⁵		Ratio: 2.12 Failed ⁵
Hex(001436)	Ratio: 5.81 AA ¹ AAA 18pt ⁴	Ratio: 5.55 AA ¹ AAA 18pt ⁴	Ratio: 3.85 AA 18pt ²	Ratio: 3.55 AA 18pt ²	Ratio: 2.12 Failed ⁵	

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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