

Converting Colors - WCAG Matrix

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

Hex(68C6ED) Hex(54CDFF) Hex(6885ED) Hex(6A7275) Hex(0080B5) Hex(002636)

	Hex(68C6ED)	Hex(54CDFF)	Hex(6885ED)	Hex(6A7275)	Hex(0080B5)	Hex(002636)
Hex(68C6ED)		Ratio: 1.06 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 2.55 Failed ⁵	Ratio: 2.29 Failed ⁵	Ratio: 8.18 Passed ⁶
Hex(54CDFF)	Ratio: 1.06 Failed ⁵		Ratio: 1.87 Failed ⁵	Ratio: 2.70 Failed ⁵	Ratio: 2.43 Failed ⁵	Ratio: 8.68 Passed ⁶
Hex(6885ED)	Ratio: 1.77 Failed ⁵	Ratio: 1.87 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 4.63 AA ¹ AAA 18pt ⁴
Hex(6A7275)	Ratio: 2.55 Failed ⁵	Ratio: 2.70 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.11 Failed ⁵	Ratio: 3.21 AA 18pt ²
Hex(0080B5)	Ratio: 2.29 Failed ⁵	Ratio: 2.43 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.11 Failed ⁵		Ratio: 3.57 AA 18pt ²
Hex(002636)	Ratio: 8.18 Passed ⁶	Ratio: 8.68 Passed ⁶	Ratio: 4.63 AA ¹ AAA 18pt ⁴	Ratio: 3.21 AA 18pt ²	Ratio: 3.57 AA 18pt ²	

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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