

Converting Colors - WCAG Matrix

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

Hex(45A3D1) Hex(33BDFF) Hex(455ED1) Hex(5E6669) Hex(0070A8) Hex(001C29)

	Hex(45A3D1)	Hex(33BDFF)	Hex(455ED1)	Hex(5E6669)	Hex(0070A8)	Hex(001C29)
Hex(45A3D1)		Ratio: 1.33 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 6.19 AA ¹ AAA 18pt ⁴
Hex(33BDFF)	Ratio: 1.33 Failed ⁵		Ratio: 2.61 Failed ⁵	Ratio: 2.75 Failed ⁵	Ratio: 2.54 Failed ⁵	Ratio: 8.23 Passed ⁶
Hex(455ED1)	Ratio: 1.96 Failed ⁵	Ratio: 2.61 Failed ⁵		Ratio: 1.05 Failed ⁵	Ratio: 1.03 Failed ⁵	Ratio: 3.15 AA 18pt ²
Hex(5E6669)	Ratio: 2.07 Failed ⁵	Ratio: 2.75 Failed ⁵	Ratio: 1.05 Failed ⁵		Ratio: 1.08 Failed ⁵	Ratio: 2.99 Failed ⁵
Hex(0070A8)	Ratio: 1.91 Failed ⁵	Ratio: 2.54 Failed ⁵	Ratio: 1.03 Failed ⁵	Ratio: 1.08 Failed ⁵		Ratio: 3.24 AA 18pt ²
Hex(001C29)	Ratio: 6.19 AA ¹ AAA 18pt ⁴	Ratio: 8.23 Passed ⁶	Ratio: 3.15 AA 18pt ²	Ratio: 2.99 Failed ⁵	Ratio: 3.24 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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