

Converting Colors - WCAG Matrix

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

Hex(233A3E) Hex(274B52) Hex(232D3E) Hex(1C1E1F) Hex(00505E) Hex(00BDDE)

	Hex(233A3E)	Hex(274B52)	Hex(232D3E)	Hex(1C1E1F)	Hex(00505E)	Hex(00BDDE)
Hex(233A3E)		Ratio: 1.27 Failed ⁵	Ratio: 1.15 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 5.35 AA ¹ AAA 18pt ⁴
Hex(274B52)	Ratio: 1.27 Failed ⁵		Ratio: 1.46 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.04 Failed ⁵	Ratio: 4.21 AA 18pt ²
Hex(232D3E)	Ratio: 1.15 Failed ⁵	Ratio: 1.46 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 6.16 AA ¹ AAA 18pt ⁴
Hex(1C1E1F)	Ratio: 1.39 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.84 Failed ⁵	Ratio: 7.44 Passed ⁶
Hex(00505E)	Ratio: 1.32 Failed ⁵	Ratio: 1.04 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.84 Failed ⁵		Ratio: 4.04 AA 18pt ²
Hex(00BDDE)	Ratio: 5.35 AA ¹ AAA 18pt ⁴	Ratio: 4.21 AA 18pt ²	Ratio: 6.16 AA ¹ AAA 18pt ⁴	Ratio: 7.44 Passed ⁶	Ratio: 4.04 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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