

Converting Colors - WCAG Matrix

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

Hex(495B5C) Hex(5A7678) Hex(49525C) Hex(292E2E) Hex(00666E) Hex(00DDED)

	Hex(495B5C)	Hex(5A7678)	Hex(49525C)	Hex(292E2E)	Hex(00666E)	Hex(00DDED)
Hex(495B5C)		Ratio: 1.46 Failed ⁵	Ratio: 1.11 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 1.07 Failed ⁵	Ratio: 4.28 AA 18pt ²
Hex(5A7678)	Ratio: 1.46 Failed ⁵		Ratio: 1.62 Failed ⁵	Ratio: 2.82 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 2.92 Failed ⁵
Hex(49525C)	Ratio: 1.11 Failed ⁵	Ratio: 1.62 Failed ⁵		Ratio: 1.73 Failed ⁵	Ratio: 1.18 Failed ⁵	Ratio: 4.75 AA ¹ AAA 18pt ⁴
Hex(292E2E)	Ratio: 1.92 Failed ⁵	Ratio: 2.82 Failed ⁵	Ratio: 1.73 Failed ⁵		Ratio: 2.05 Failed ⁵	Ratio: 8.24 Passed ⁶
Hex(00666E)	Ratio: 1.07 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.18 Failed ⁵	Ratio: 2.05 Failed ⁵		Ratio: 4.02 AA 18pt ²
Hex(00DDED)	Ratio: 4.28 AA 18pt ²	Ratio: 2.92 Failed ⁵	Ratio: 4.75 AA ¹ AAA 18pt ⁴	Ratio: 8.24 Passed ⁶	Ratio: 4.02 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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