

Converting Colors - WCAG Matrix

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

Hex(002F40) Hex(003E54) Hex(001040) Hex(1E2021) Hex(004761) Hex(00A5E0)

	Hex(002F40)	Hex(003E54)	Hex(001040)	Hex(1E2021)	Hex(004761)	Hex(00A5E0)
Hex(002F40)		Ratio: 1.23 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 1.15 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 5.04 AA ¹ AAA 18pt ⁴
Hex(003E54)	Ratio: 1.23 Failed ⁵		Ratio: 1.58 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.14 Failed ⁵	Ratio: 4.10 AA 18pt ²
Hex(001040)	Ratio: 1.29 Failed ⁵	Ratio: 1.58 Failed ⁵		Ratio: 1.12 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 6.50 AA ¹ AAA 18pt ⁴
Hex(1E2021)	Ratio: 1.15 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.12 Failed ⁵		Ratio: 1.62 Failed ⁵	Ratio: 5.81 AA ¹ AAA 18pt ⁴
Hex(004761)	Ratio: 1.40 Failed ⁵	Ratio: 1.14 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.62 Failed ⁵		Ratio: 3.60 AA 18pt ²
Hex(00A5E0)	Ratio: 5.04 AA ¹ AAA 18pt ⁴	Ratio: 4.10 AA 18pt ²	Ratio: 6.50 AA ¹ AAA 18pt ⁴	Ratio: 5.81 AA ¹ AAA 18pt ⁴	Ratio: 3.60 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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