

Converting Colors - WCAG Matrix

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

Hex(172024) Hex(1A282E) Hex(171A24) Hex(101112) Hex(003852) Hex(0091D1)

	Hex(172024)	Hex(1A282E)	Hex(171A24)	Hex(101112)	Hex(003852)	Hex(0091D1)
Hex(172024)		Ratio: 1.09 Failed ⁵	Ratio: 1.05 Failed ⁵	Ratio: 1.14 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 4.71 AA ¹ AAA 18pt ⁴
Hex(1A282E)	Ratio: 1.09 Failed ⁵		Ratio: 1.15 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 1.22 Failed ⁵	Ratio: 4.31 AA 18pt ²
Hex(171A24)	Ratio: 1.05 Failed ⁵	Ratio: 1.15 Failed ⁵		Ratio: 1.09 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 4.94 AA ¹ AAA 18pt ⁴
Hex(101112)	Ratio: 1.14 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 1.09 Failed ⁵		Ratio: 1.52 Failed ⁵	Ratio: 5.37 AA ¹ AAA 18pt ⁴
Hex(003852)	Ratio: 1.33 Failed ⁵	Ratio: 1.22 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.52 Failed ⁵		Ratio: 3.54 AA 18pt ²
Hex(0091D1)	Ratio: 4.71 AA ¹ AAA 18pt ⁴	Ratio: 4.31 AA 18pt ²	Ratio: 4.94 AA ¹ AAA 18pt ⁴	Ratio: 5.37 AA ¹ AAA 18pt ⁴	Ratio: 3.54 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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