

Converting Colors - WCAG Matrix

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

Hex(5E7175) Hex(46595C) Hex(2F4145) Hex(1A2B2F) Hex(02171A) Hex(000000)

	Hex(5E7175)	Hex(46595C)	Hex(2F4145)	Hex(1A2B2F)	Hex(02171A)	Hex(000000)
Hex(5E7175)		Ratio: 1.44 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.86 Failed ⁵	Ratio: 3.59 AA 18pt ²	Ratio: 4.09 AA 18pt ²
Hex(46595C)	Ratio: 1.44 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 2.49 Failed ⁵	Ratio: 2.84 Failed ⁵
Hex(2F4145)	Ratio: 2.09 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.96 Failed ⁵
Hex(1A2B2F)	Ratio: 2.86 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.25 Failed ⁵	Ratio: 1.43 Failed ⁵
Hex(02171A)	Ratio: 3.59 AA 18pt ²	Ratio: 2.49 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.25 Failed ⁵		Ratio: 1.14 Failed ⁵
Hex(000000)	Ratio: 4.09 AA 18pt ²	Ratio: 2.84 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.14 Failed ⁵	

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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