

Converting Colors - WCAG Matrix

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

	Hex(545D80)	Hex(3C4667)	Hex(242F4F)	Hex(0C1B38)	Hex(000022)	Hex(000009)	Hex(000000)
Hex(545D80)		Ratio: 1.44 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.65 Failed ⁵	Ratio: 3.18 AA 18pt ²	Ratio: 3.24 AA 18pt ²	Ratio: 3.25 AA 18pt ²
Hex(3C4667)	Ratio: 1.44 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 2.21 Failed ⁵	Ratio: 2.25 Failed ⁵	Ratio: 2.26 Failed ⁵
Hex(242F4F)	Ratio: 2.04 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.59 Failed ⁵
Hex(0C1B38)	Ratio: 2.65 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.22 Failed ⁵	Ratio: 1.23 Failed ⁵
Hex(000022)	Ratio: 3.18 AA 18pt ²	Ratio: 2.21 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.02 Failed ⁵	Ratio: 1.02 Failed ⁵
Hex(000009)	Ratio: 3.24 AA 18pt ²	Ratio: 2.25 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.22 Failed ⁵	Ratio: 1.02 Failed ⁵		Ratio: 1.00 Failed ⁵
Hex(000000)	Ratio: 3.25 AA 18pt ²	Ratio: 2.26 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.23 Failed ⁵	Ratio: 1.02 Failed ⁵	Ratio: 1.00 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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