

Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.
Hex(001665) Hex(5B6482) Hex(00654E) Hex(2A3042) Hex(C2C2C2) Hex(424242)

	Hex(001665)	Hex(5B6482)	Hex(00654E)	Hex(2A3042)	Hex(C2C2C2)	Hex(424242)
Hex(001665)		Ratio: 2.76 Failed ⁵	Ratio: 2.28 Failed ⁵	Ratio: 1.23 Failed ⁵	Ratio: 9.05 Passed ⁶	Ratio: 1.60 Failed ⁵
Hex(5B6482)	Ratio: 2.76 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 2.24 Failed ⁵	Ratio: 3.28 AA 18pt ²	Ratio: 1.72 Failed ⁵
Hex(00654E)	Ratio: 2.28 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.86 Failed ⁵	Ratio: 3.97 AA 18pt ²	Ratio: 1.42 Failed ⁵
Hex(2A3042)	Ratio: 1.23 Failed ⁵	Ratio: 2.24 Failed ⁵	Ratio: 1.86 Failed ⁵		Ratio: 7.37 Passed ⁶	Ratio: 1.31 Failed ⁵
Hex(C2C2C2)	Ratio: 9.05 Passed ⁶	Ratio: 3.28 AA 18pt ²	Ratio: 3.97 AA 18pt ²	Ratio: 7.37 Passed ⁶		Ratio: 5.64 AA ¹ AAA 18pt ⁴
Hex(424242)	Ratio: 1.60 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 5.64 AA ¹ AAA 18pt ⁴	

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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