

Converting Colors - WCAG Matrix

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

Hex(535368) Hex(7F7F87) Hex(536868) Hex(404045) Hex(C4C4C4) Hex(454545)

	Hex(535368)	Hex(7F7F87)	Hex(536868)	Hex(404045)	Hex(C4C4C4)	Hex(454545)
Hex(535368)		Ratio: 1.89 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 4.29 AA 18pt ²	Ratio: 1.28 Failed ⁵
Hex(7F7F87)	Ratio: 1.89 Failed ⁵		Ratio: 1.49 Failed ⁵	Ratio: 2.60 Failed ⁵	Ratio: 2.28 Failed ⁵	Ratio: 2.41 Failed ⁵
Hex(536868)	Ratio: 1.26 Failed ⁵	Ratio: 1.49 Failed ⁵		Ratio: 1.74 Failed ⁵	Ratio: 3.39 AA 18pt ²	Ratio: 1.62 Failed ⁵
Hex(404045)	Ratio: 1.38 Failed ⁵	Ratio: 2.60 Failed ⁵	Ratio: 1.74 Failed ⁵		Ratio: 5.91 AA ¹ AAA 18pt ⁴	Ratio: 1.08 Failed ⁵
Hex(C4C4C4)	Ratio: 4.29 AA 18pt ²	Ratio: 2.28 Failed ⁵	Ratio: 3.39 AA 18pt ²	Ratio: 5.91 AA ¹ AAA 18pt ⁴		Ratio: 5.50 AA ¹ AAA 18pt ⁴
Hex(454545)	Ratio: 1.28 Failed ⁵	Ratio: 2.41 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.08 Failed ⁵	Ratio: 5.50 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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