

Converting Colors - WCAG Matrix

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

Hex(29174F) Hex(585166) Hex(173D4F) Hex(2A2633) Hex(B3B3B3) Hex(333333)

	Hex(29174F)	Hex(585166)	Hex(173D4F)	Hex(2A2633)	Hex(B3B3B3)	Hex(333333)
Hex(29174F)		Ratio: 2.09 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.07 Failed ⁵	Ratio: 7.53 Passed ⁶	Ratio: 1.25 Failed ⁵
Hex(585166)	Ratio: 2.09 Failed ⁵		Ratio: 1.53 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 3.60 AA 18pt ²	Ratio: 1.67 Failed ⁵
Hex(173D4F)	Ratio: 1.37 Failed ⁵	Ratio: 1.53 Failed ⁵		Ratio: 1.28 Failed ⁵	Ratio: 5.51 AA ¹ AAA 18pt ⁴	Ratio: 1.09 Failed ⁵
Hex(2A2633)	Ratio: 1.07 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.28 Failed ⁵		Ratio: 7.04 Passed ⁶	Ratio: 1.17 Failed ⁵
Hex(B3B3B3)	Ratio: 7.53 Passed ⁶	Ratio: 3.60 AA 18pt ²	Ratio: 5.51 AA ¹ AAA 18pt ⁴	Ratio: 7.04 Passed ⁶		Ratio: 6.03 AA ¹ AAA 18pt ⁴
Hex(333333)	Ratio: 1.25 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.09 Failed ⁵	Ratio: 1.17 Failed ⁵	Ratio: 6.03 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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