

Converting Colors - WCAG Matrix

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

Hex(173030) Hex(174040) Hex(172430) Hex(171919) Hex(005959) Hex(00D9D9)

	Hex(173030)	Hex(174040)	Hex(172430)	Hex(171919)	Hex(005959)	Hex(00D9D9)
Hex(173030)		Ratio: 1.23 Failed ⁵	Ratio: 1.13 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 7.94 Passed ⁶
Hex(174040)	Ratio: 1.23 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 6.47 AA ¹ AAA 18pt ⁴
Hex(172430)	Ratio: 1.13 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.12 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 8.96 Passed ⁶
Hex(171919)	Ratio: 1.26 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.12 Failed ⁵		Ratio: 2.16 Failed ⁵	Ratio: 10.03 Passed ⁶
Hex(005959)	Ratio: 1.71 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.16 Failed ⁵		Ratio: 4.64 AA ¹ AAA 18pt ⁴
Hex(00D9D9)	Ratio: 7.94 Passed ⁶	Ratio: 6.47 AA ¹ AAA 18pt ⁴	Ratio: 8.96 Passed ⁶	Ratio: 10.03 Passed ⁶	Ratio: 4.64 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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