

Converting Colors - WCAG Matrix

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

Hex(6C1616) Hex(8C6B6B) Hex(6C166C) Hex(473333) Hex(C7C7C7) Hex(474747)

	Hex(6C1616)	Hex(8C6B6B)	Hex(6C166C)	Hex(473333)	Hex(C7C7C7)	Hex(474747)
Hex(6C1616)		Ratio: 2.51 Failed ⁵	Ratio: 1.12 Failed ⁵	Ratio: 1.01 Failed ⁵	Ratio: 7.04 Passed ⁶	Ratio: 1.28 Failed ⁵
Hex(8C6B6B)	Ratio: 2.51 Failed ⁵		Ratio: 2.25 Failed ⁵	Ratio: 2.48 Failed ⁵	Ratio: 2.80 Failed ⁵	Ratio: 1.96 Failed ⁵
Hex(6C166C)	Ratio: 1.12 Failed ⁵	Ratio: 2.25 Failed ⁵		Ratio: 1.10 Failed ⁵	Ratio: 6.31 AA ¹ AAA 18pt ⁴	Ratio: 1.15 Failed ⁵
Hex(473333)	Ratio: 1.01 Failed ⁵	Ratio: 2.48 Failed ⁵	Ratio: 1.10 Failed ⁵		Ratio: 6.94 AA ¹ AAA 18pt ⁴	Ratio: 1.26 Failed ⁵
Hex(C7C7C7)	Ratio: 7.04 Passed ⁶	Ratio: 2.80 Failed ⁵	Ratio: 6.31 AA ¹ AAA 18pt ⁴	Ratio: 6.94 AA ¹ AAA 18pt ⁴		Ratio: 5.50 AA ¹ AAA 18pt ⁴
Hex(474747)	Ratio: 1.28 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.15 Failed ⁵	Ratio: 1.26 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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