

Converting Colors - WCAG Matrix

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

Hex(484444) Hex(5E5858) Hex(464844) Hex(242121) Hex(630001) Hex(E30002)

	Hex(484444)	Hex(5E5858)	Hex(464844)	Hex(242121)	Hex(630001)	Hex(E30002)
Hex(484444)		Ratio: 1.38 Failed ⁵	Ratio: 1.04 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.95 Failed ⁵
Hex(5E5858)	Ratio: 1.38 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 2.29 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.42 Failed ⁵
Hex(464844)	Ratio: 1.04 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.73 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.88 Failed ⁵
Hex(242121)	Ratio: 1.66 Failed ⁵	Ratio: 2.29 Failed ⁵	Ratio: 1.73 Failed ⁵		Ratio: 1.16 Failed ⁵	Ratio: 3.25 AA 18pt ²
Hex(630001)	Ratio: 1.43 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.16 Failed ⁵		Ratio: 2.79 Failed ⁵
Hex(E30002)	Ratio: 1.95 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 3.25 AA 18pt ²	Ratio: 2.79 Failed ⁵	

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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