

Converting Colors - WCAG Matrix

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

Hex(490000) Hex(5E0000) Hex(492500) Hex(242020) Hex(630000) Hex(E30000)

	Hex(490000)	Hex(5E0000)	Hex(492500)	Hex(242020)	Hex(630000)	Hex(E30000)
Hex(490000)		Ratio: 1.15 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 1.01 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 3.32 AA 18pt ²
Hex(5E0000)	Ratio: 1.15 Failed ⁵		Ratio: 1.05 Failed ⁵	Ratio: 1.13 Failed ⁵	Ratio: 1.04 Failed ⁵	Ratio: 2.89 Failed ⁵
Hex(492500)	Ratio: 1.21 Failed ⁵	Ratio: 1.05 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 1.01 Failed ⁵	Ratio: 2.76 Failed ⁵
Hex(242020)	Ratio: 1.01 Failed ⁵	Ratio: 1.13 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 1.18 Failed ⁵	Ratio: 3.28 AA 18pt ²
Hex(630000)	Ratio: 1.19 Failed ⁵	Ratio: 1.04 Failed ⁵	Ratio: 1.01 Failed ⁵	Ratio: 1.18 Failed ⁵		Ratio: 2.79 Failed ⁵
Hex(E30000)	Ratio: 3.32 AA 18pt ²	Ratio: 2.89 Failed ⁵	Ratio: 2.76 Failed ⁵	Ratio: 3.28 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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