

Converting Colors - WCAG Matrix

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

Hex(8C3F3F) Hex(B53E3E) Hex(8C663F) Hex(453E3E) Hex(850000) Hex(050000)

	Hex(8C3F3F)	Hex(B53E3E)	Hex(8C663F)	Hex(453E3E)	Hex(850000)	Hex(050000)
Hex(8C3F3F)		Ratio: 1.28 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 2.88 Failed ⁵
Hex(B53E3E)	Ratio: 1.28 Failed ⁵		Ratio: 1.10 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 3.70 AA 18pt ²
Hex(8C663F)	Ratio: 1.41 Failed ⁵	Ratio: 1.10 Failed ⁵		Ratio: 2.03 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 4.06 AA 18pt ²
Hex(453E3E)	Ratio: 1.44 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 2.03 Failed ⁵		Ratio: 1.01 Failed ⁵	Ratio: 2.00 Failed ⁵
Hex(850000)	Ratio: 1.45 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.01 Failed ⁵		Ratio: 1.98 Failed ⁵
Hex(050000)	Ratio: 2.88 Failed ⁵	Ratio: 3.70 AA 18pt ²	Ratio: 4.06 AA 18pt ²	Ratio: 2.00 Failed ⁵	Ratio: 1.98 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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