

Converting Colors - WCAG Matrix

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

Hex(8A545C) Hex(B35E6B) Hex(8A6654) Hex(453D40) Hex(850012) Hex(050000)

	Hex(8A545C)	Hex(B35E6B)	Hex(8A6654)	Hex(453D40)	Hex(850012)	Hex(050000)
Hex(8A545C)		Ratio: 1.35 Failed ⁵	Ratio: 1.17 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 3.48 AA 18pt ²
Hex(B35E6B)	Ratio: 1.35 Failed ⁵		Ratio: 1.15 Failed ⁵	Ratio: 2.37 Failed ⁵	Ratio: 2.36 Failed ⁵	Ratio: 4.70 AA ¹ AAA 18pt ⁴
Hex(8A6654)	Ratio: 1.17 Failed ⁵	Ratio: 1.15 Failed ⁵		Ratio: 2.06 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 4.08 AA 18pt ²
Hex(453D40)	Ratio: 1.76 Failed ⁵	Ratio: 2.37 Failed ⁵	Ratio: 2.06 Failed ⁵		Ratio: 1.01 Failed ⁵	Ratio: 1.98 Failed ⁵
Hex(850012)	Ratio: 1.75 Failed ⁵	Ratio: 2.36 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.01 Failed ⁵		Ratio: 1.99 Failed ⁵
Hex(050000)	Ratio: 3.48 AA 18pt ²	Ratio: 4.70 AA ¹ AAA 18pt ⁴	Ratio: 4.08 AA 18pt ²	Ratio: 1.98 Failed ⁵	Ratio: 1.99 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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