

Converting Colors - WCAG Matrix

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

Hex(89454B) Hex(B34751) Hex(896045) Hex(453E3F) Hex(85000C) Hex(050000)

	Hex(89454B)	Hex(B34751)	Hex(896045)	Hex(453E3F)	Hex(85000C)	Hex(050000)
Hex(89454B)		Ratio: 1.31 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 3.00 AA 18pt ²
Hex(B34751)	Ratio: 1.31 Failed ⁵		Ratio: 1.03 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 3.91 AA 18pt ²
Hex(896045)	Ratio: 1.27 Failed ⁵	Ratio: 1.03 Failed ⁵		Ratio: 1.90 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 3.80 AA 18pt ²
Hex(453E3F)	Ratio: 1.50 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.90 Failed ⁵		Ratio: 1.01 Failed ⁵	Ratio: 2.00 Failed ⁵
Hex(85000C)	Ratio: 1.51 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.01 Failed ⁵		Ratio: 1.99 Failed ⁵
Hex(050000)	Ratio: 3.00 AA 18pt ²	Ratio: 3.91 AA 18pt ²	Ratio: 3.80 AA 18pt ²	Ratio: 2.00 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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