

Converting Colors - WCAG Matrix

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

Hex(8A3137) Hex(B32932) Hex(31658A) Hex(453E3E) Hex(850009) Hex(050000)

	Hex(8A3137)	Hex(B32932)	Hex(31658A)	Hex(453E3E)	Hex(850009)	Hex(050000)
Hex(8A3137)		Ratio: 1.27 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 2.56 Failed ⁵
Hex(B32932)	Ratio: 1.27 Failed ⁵		Ratio: 1.02 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 3.26 AA 18pt ²
Hex(31658A)	Ratio: 1.30 Failed ⁵	Ratio: 1.02 Failed ⁵		Ratio: 1.67 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 3.34 AA 18pt ²
Hex(453E3E)	Ratio: 1.28 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.67 Failed ⁵		Ratio: 1.01 Failed ⁵	Ratio: 2.00 Failed ⁵
Hex(850009)	Ratio: 1.29 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.01 Failed ⁵		Ratio: 1.99 Failed ⁵
Hex(050000)	Ratio: 2.56 Failed ⁵	Ratio: 3.26 AA 18pt ²	Ratio: 3.34 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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