

Converting Colors - WCAG Matrix

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

	Hex(B53E3E)	Hex(972128)	Hex(790013)	Hex(5D0000)	Hex(400001)	Hex(230001)	Hex(000000)
Hex(B53E3E)		Ratio: 1.45 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.54 Failed ⁵	Ratio: 3.06 AA 18pt ²	Ratio: 3.47 AA 18pt ²	Ratio: 3.72 AA 18pt ²
Hex(972128)	Ratio: 1.45 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 2.39 Failed ⁵	Ratio: 2.56 Failed ⁵
Hex(790013)	Ratio: 2.04 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.24 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.82 Failed ⁵
Hex(5D0000)	Ratio: 2.54 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.24 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.47 Failed ⁵
Hex(400001)	Ratio: 3.06 AA 18pt ²	Ratio: 2.10 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.14 Failed ⁵	Ratio: 1.22 Failed ⁵
Hex(230001)	Ratio: 3.47 AA 18pt ²	Ratio: 2.39 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.14 Failed ⁵		Ratio: 1.07 Failed ⁵
Hex(000000)	Ratio: 3.72 AA 18pt ²	Ratio: 2.56 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.22 Failed ⁵	Ratio: 1.07 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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