

Converting Colors - WCAG Matrix

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

Hex(E65301) Hex(FF5B00) Hex(E6C401) Hex(736B67) Hex(B24000) Hex(331200)

	Hex(E65301)	Hex(FF5B00)	Hex(E6C401)	Hex(736B67)	Hex(B24000)	Hex(331200)
Hex(E65301)		Ratio: 1.20 Failed ⁵	Ratio: 2.19 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 4.57 AA ¹ AAA 18pt ⁴
Hex(FF5B00)	Ratio: 1.20 Failed ⁵		Ratio: 1.82 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 5.50 AA ¹ AAA 18pt ⁴
Hex(E6C401)	Ratio: 2.19 Failed ⁵	Ratio: 1.82 Failed ⁵		Ratio: 3.04 AA 18pt ²	Ratio: 3.38 AA 18pt ²	Ratio: 9.99 Passed ⁶
Hex(736B67)	Ratio: 1.39 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 3.04 AA 18pt ²		Ratio: 1.11 Failed ⁵	Ratio: 3.28 AA 18pt ²
Hex(B24000)	Ratio: 1.54 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 3.38 AA 18pt ²	Ratio: 1.11 Failed ⁵		Ratio: 2.96 Failed ⁵
Hex(331200)	Ratio: 4.57 AA ¹ AAA 18pt ⁴	Ratio: 5.50 AA ¹ AAA 18pt ⁴	Ratio: 9.99 Passed ⁶	Ratio: 3.28 AA 18pt ²	Ratio: 2.96 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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