

Converting Colors - WCAG Matrix

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

Hex(5F000E) Hex(7A0012) Hex(5F2100) Hex(302C2C) Hex(700011) Hex(F00024)

	Hex(5F000E)	Hex(7A0012)	Hex(5F2100)	Hex(302C2C)	Hex(700011)	Hex(F00024)
Hex(5F000E)		Ratio: 1.23 Failed ⁵	Ratio: 1.14 Failed ⁵	Ratio: 1.02 Failed ⁵	Ratio: 1.14 Failed ⁵	Ratio: 3.17 AA 18pt ²
Hex(7A0012)	Ratio: 1.23 Failed ⁵		Ratio: 1.08 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 1.08 Failed ⁵	Ratio: 2.58 Failed ⁵
Hex(5F2100)	Ratio: 1.14 Failed ⁵	Ratio: 1.08 Failed ⁵		Ratio: 1.12 Failed ⁵	Ratio: 1.00 Failed ⁵	Ratio: 2.78 Failed ⁵
Hex(302C2C)	Ratio: 1.02 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 1.12 Failed ⁵		Ratio: 1.11 Failed ⁵	Ratio: 3.11 AA 18pt ²
Hex(700011)	Ratio: 1.14 Failed ⁵	Ratio: 1.08 Failed ⁵	Ratio: 1.00 Failed ⁵	Ratio: 1.11 Failed ⁵		Ratio: 2.79 Failed ⁵
Hex(F00024)	Ratio: 3.17 AA 18pt ²	Ratio: 2.58 Failed ⁵	Ratio: 2.78 Failed ⁵	Ratio: 3.11 AA 18pt ²	Ratio: 2.79 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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