

Converting Colors - WCAG Matrix

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

Hex(291417) Hex(36141A) Hex(212914) Hex(141212) Hex(54000A) Hex(D4001A)

	Hex(291417)	Hex(36141A)	Hex(212914)	Hex(141212)	Hex(54000A)	Hex(D4001A)
Hex(291417)		Ratio: 1.05 Failed ⁵	Ratio: 1.15 Failed ⁵	Ratio: 1.07 Failed ⁵	Ratio: 1.14 Failed ⁵	Ratio: 3.16 AA 18pt ²
Hex(36141A)	Ratio: 1.05 Failed ⁵		Ratio: 1.09 Failed ⁵	Ratio: 1.13 Failed ⁵	Ratio: 1.09 Failed ⁵	Ratio: 3.00 AA 18pt ²
Hex(212914)	Ratio: 1.15 Failed ⁵	Ratio: 1.09 Failed ⁵		Ratio: 1.24 Failed ⁵	Ratio: 1.01 Failed ⁵	Ratio: 2.74 Failed ⁵
Hex(141212)	Ratio: 1.07 Failed ⁵	Ratio: 1.13 Failed ⁵	Ratio: 1.24 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 3.39 AA 18pt ²
Hex(54000A)	Ratio: 1.14 Failed ⁵	Ratio: 1.09 Failed ⁵	Ratio: 1.01 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 2.76 Failed ⁵
Hex(D4001A)	Ratio: 3.16 AA 18pt ²	Ratio: 3.00 AA 18pt ²	Ratio: 2.74 Failed ⁵	Ratio: 3.39 AA 18pt ²	Ratio: 2.76 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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