

Converting Colors - WCAG Matrix

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

Hex(333131) Hex(424040) Hex(333231) Hex(1A1818) Hex(590000) Hex(D90000)

	Hex(333131)	Hex(424040)	Hex(333231)	Hex(1A1818)	Hex(590000)	Hex(D90000)
Hex(333131)		Ratio: 1.26 Failed ⁵	Ratio: 1.01 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.14 Failed ⁵	Ratio: 2.43 Failed ⁵
Hex(424040)	Ratio: 1.26 Failed ⁵		Ratio: 1.24 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.94 Failed ⁵
Hex(333231)	Ratio: 1.01 Failed ⁵	Ratio: 1.24 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.15 Failed ⁵	Ratio: 2.41 Failed ⁵
Hex(1A1818)	Ratio: 1.37 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 3.33 AA 18pt ²
Hex(590000)	Ratio: 1.14 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.15 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 2.77 Failed ⁵
Hex(D90000)	Ratio: 2.43 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.41 Failed ⁵	Ratio: 3.33 AA 18pt ²	Ratio: 2.77 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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