

Converting Colors - WCAG Matrix

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

Hex(221B1B) Hex(2B2121) Hex(221E1B) Hex(121010) Hex(520001) Hex(D10003)

	Hex(221B1B)	Hex(2B2121)	Hex(221E1B)	Hex(121010)	Hex(520001)	Hex(D10003)
Hex(221B1B)		Ratio: 1.08 Failed ⁵	Ratio: 1.02 Failed ⁵	Ratio: 1.12 Failed ⁵	Ratio: 1.10 Failed ⁵	Ratio: 2.99 Failed ⁵
Hex(2B2121)	Ratio: 1.08 Failed ⁵		Ratio: 1.06 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 1.01 Failed ⁵	Ratio: 2.77 Failed ⁵
Hex(221E1B)	Ratio: 1.02 Failed ⁵	Ratio: 1.06 Failed ⁵		Ratio: 1.15 Failed ⁵	Ratio: 1.07 Failed ⁵	Ratio: 2.92 Failed ⁵
Hex(121010)	Ratio: 1.12 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 1.15 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 3.35 AA 18pt ²
Hex(520001)	Ratio: 1.10 Failed ⁵	Ratio: 1.01 Failed ⁵	Ratio: 1.07 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 2.73 Failed ⁵
Hex(D10003)	Ratio: 2.99 Failed ⁵	Ratio: 2.77 Failed ⁵	Ratio: 2.92 Failed ⁵	Ratio: 3.35 AA 18pt ²	Ratio: 2.73 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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