

Converting Colors - WCAG Matrix

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

Hex(46161D) Hex(5C111C) Hex(163546) Hex(242021) Hex(63000F) Hex(E30021)

	Hex(46161D)	Hex(5C111C)	Hex(163546)	Hex(242021)	Hex(63000F)	Hex(E30021)
Hex(46161D)		Ratio: 1.11 Failed ⁵	Ratio: 1.17 Failed ⁵	Ratio: 1.07 Failed ⁵	Ratio: 1.10 Failed ⁵	Ratio: 3.08 AA 18pt ²
Hex(5C111C)	Ratio: 1.11 Failed ⁵		Ratio: 1.05 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.01 Failed ⁵	Ratio: 2.76 Failed ⁵
Hex(163546)	Ratio: 1.17 Failed ⁵	Ratio: 1.05 Failed ⁵		Ratio: 1.25 Failed ⁵	Ratio: 1.06 Failed ⁵	Ratio: 2.63 Failed ⁵
Hex(242021)	Ratio: 1.07 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.25 Failed ⁵		Ratio: 1.18 Failed ⁵	Ratio: 3.29 AA 18pt ²
Hex(63000F)	Ratio: 1.10 Failed ⁵	Ratio: 1.01 Failed ⁵	Ratio: 1.06 Failed ⁵	Ratio: 1.18 Failed ⁵		Ratio: 2.79 Failed ⁵
Hex(E30021)	Ratio: 3.08 AA 18pt ²	Ratio: 2.76 Failed ⁵	Ratio: 2.63 Failed ⁵	Ratio: 3.29 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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