

Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.
Hex(491E47) Hex(5E1B5B) Hex(32491E) Hex(242024) Hex(63005F) Hex(E300D9)

Hex(491E47)		Ratio: 1.14 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.09 Failed ⁵	Ratio: 3.38 AA 18pt ²
Hex(5E1B5B)	Ratio: 1.14 Failed ⁵		Ratio: 1.18 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.05 Failed ⁵	Ratio: 2.95 Failed ⁵
Hex(32491E)	Ratio: 1.35 Failed ⁵	Ratio: 1.18 Failed ⁵		Ratio: 1.61 Failed ⁵	Ratio: 1.24 Failed ⁵	Ratio: 2.50 Failed ⁵
Hex(242024)	Ratio: 1.19 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.61 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 4.03 AA 18pt ²
Hex(63005F)	Ratio: 1.09 Failed ⁵	Ratio: 1.05 Failed ⁵	Ratio: 1.24 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 3.11 AA 18pt ²
Hex(E300D9)	Ratio: 3.38 AA 18pt ²	Ratio: 2.95 Failed ⁵	Ratio: 2.50 Failed ⁵	Ratio: 4.03 AA 18pt ²	Ratio: 3.11 AA 18pt ²	

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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