

Converting Colors - WCAG Matrix

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

Hex(454045) Hex(595159) Hex(454240) Hex(242024) Hex(630063) Hex(E300E3)

Hex(454045)		Ratio: 1.33 Failed ⁵	Ratio: 1.02 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.21 Failed ⁵
Hex(595159)	Ratio: 1.33 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 1.61 Failed ⁵
Hex(454240)	Ratio: 1.02 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.61 Failed ⁵	Ratio: 1.23 Failed ⁵
Hex(242024)	Ratio: 1.59 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 1.61 Failed ⁵		Ratio: 1.31 Failed ⁵
Hex(630063)	Ratio: 1.21 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.23 Failed ⁵	Ratio: 1.31 Failed ⁵	
Hex(E300E3)	Ratio: 2.59 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.55 Failed ⁵	Ratio: 4.11 AA 18pt ²	Ratio: 3.14 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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