

Converting Colors - WCAG Matrix

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

	Hex(645871)	Hex(5E4D71)	Hex(594271)	Hex(533771)	Hex(4D2B71)	Hex(472071)	Hex(411571)	Hex(3C0971)	Hex(370071)
Hex(645871)		Ratio: 1.14 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.16 Failed ⁵	Ratio: 2.27 Failed ⁵
Hex(5E4D71)	Ratio: 1.14 Failed ⁵		Ratio: 1.14 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.98 Failed ⁵
Hex(594271)	Ratio: 1.30 Failed ⁵	Ratio: 1.14 Failed ⁵		Ratio: 1.13 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.74 Failed ⁵
Hex(533771)	Ratio: 1.48 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 1.13 Failed ⁵		Ratio: 1.13 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.54 Failed ⁵
Hex(4D2B71)	Ratio: 1.67 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 1.13 Failed ⁵		Ratio: 1.11 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 1.36 Failed ⁵
Hex(472071)	Ratio: 1.85 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.11 Failed ⁵		Ratio: 1.09 Failed ⁵	Ratio: 1.17 Failed ⁵	Ratio: 1.22 Failed ⁵
Hex(411571)	Ratio: 2.02 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 1.09 Failed ⁵		Ratio: 1.07 Failed ⁵	Ratio: 1.12 Failed ⁵
Hex(3C0971)	Ratio: 2.16 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 1.17 Failed ⁵	Ratio: 1.07 Failed ⁵		Ratio: 1.05 Failed ⁵
Hex(370071)	Ratio: 2.27 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.22 Failed ⁵	Ratio: 1.12 Failed ⁵	Ratio: 1.05 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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