

Converting Colors - WCAG Matrix

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

	Hex(5E70A8)	Hex(45598F)	Hex(294073)	Hex(082B5C)	Hex(001742)	Hex(00032E)	Hex(000017)	Hex(000000)
Hex(5E70A8)		Ratio: 1.42 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 2.89 Failed ⁵	Ratio: 3.63 AA 18pt ²	Ratio: 4.14 AA 18pt ²	Ratio: 4.31 AA 18pt ²	Ratio: 4.36 AA 18pt ²
Hex(45598F)	Ratio: 1.42 Failed ⁵		Ratio: 1.48 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.56 Failed ⁵	Ratio: 2.93 Failed ⁵	Ratio: 3.04 AA 18pt ²	Ratio: 3.08 AA 18pt ²
Hex(294073)	Ratio: 2.10 Failed ⁵	Ratio: 1.48 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.08 Failed ⁵
Hex(082B5C)	Ratio: 2.89 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.26 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.51 Failed ⁵
Hex(001742)	Ratio: 3.63 AA 18pt ²	Ratio: 2.56 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 1.26 Failed ⁵		Ratio: 1.14 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.20 Failed ⁵
Hex(00032E)	Ratio: 4.14 AA 18pt ²	Ratio: 2.93 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.14 Failed ⁵		Ratio: 1.04 Failed ⁵	Ratio: 1.05 Failed ⁵
Hex(000017)	Ratio: 4.31 AA 18pt ²	Ratio: 3.04 AA 18pt ²	Ratio: 2.05 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.04 Failed ⁵		Ratio: 1.01 Failed ⁵
Hex(000000)	Ratio: 4.36 AA 18pt ²	Ratio: 3.08 AA 18pt ²	Ratio: 2.08 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.20 Failed ⁵	Ratio: 1.05 Failed ⁵	Ratio: 1.01 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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