

Converting Colors - WCAG Matrix

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

	Hex(9A91E4)	Hex(7E78C7)	Hex(635FAC)	Hex(494791)	Hex(2E3177)	Hex(0E1C5E)	Hex(000546)	Hex(00003C)
Hex(9A91E4)		Ratio: 1.40 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.91 Failed ⁵	Ratio: 4.14 AA 18pt ²	Ratio: 5.60 AA ¹ AAA 18pt ⁴	Ratio: 6.80 AA ¹ AAA 18pt ⁴	Ratio: 7.08 Passed ⁶
Hex(7E78C7)	Ratio: 1.40 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 4.01 AA 18pt ²	Ratio: 4.86 AA ¹ AAA 18pt ⁴	Ratio: 5.07 AA ¹ AAA 18pt ⁴
Hex(635FAC)	Ratio: 2.00 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.80 Failed ⁵	Ratio: 3.39 AA 18pt ²	Ratio: 3.53 AA 18pt ²
Hex(494791)	Ratio: 2.91 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.34 Failed ⁵	Ratio: 2.43 Failed ⁵
Hex(2E3177)	Ratio: 4.14 AA 18pt ²	Ratio: 2.96 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.71 Failed ⁵
Hex(0E1C5E)	Ratio: 5.60 AA ¹ AAA 18pt ⁴	Ratio: 4.01 AA 18pt ²	Ratio: 2.80 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.26 Failed ⁵
Hex(000546)	Ratio: 6.80 AA ¹ AAA 18pt ⁴	Ratio: 4.86 AA ¹ AAA 18pt ⁴	Ratio: 3.39 AA 18pt ²	Ratio: 2.34 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.04 Failed ⁵
Hex(00003C)	Ratio: 7.08 Passed ⁶	Ratio: 5.07 AA ¹ AAA 18pt ⁴	Ratio: 3.53 AA 18pt ²	Ratio: 2.43 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.04 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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