

Converting Colors - WCAG Matrix

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

Hex(7C70A0) Hex(9886D1) Hex(9370A0) Hex(49474F) Hex(23008F) Hex(04000F)

	Hex(7C70A0)	Hex(9886D1)	Hex(9370A0)	Hex(49474F)	Hex(23008F)	Hex(04000F)
Hex(7C70A0)		Ratio: 1.42 Failed ⁵	Ratio: 1.08 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 3.19 AA 18pt ²	Ratio: 4.63 AA ¹ AAA 18pt ⁴
Hex(9886D1)	Ratio: 1.42 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 2.90 Failed ⁵	Ratio: 4.54 AA ¹ AAA 18pt ⁴	Ratio: 6.59 AA ¹ AAA 18pt ⁴
Hex(9370A0)	Ratio: 1.08 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 2.21 Failed ⁵	Ratio: 3.45 AA 18pt ²	Ratio: 5.01 AA ¹ AAA 18pt ⁴
Hex(49474F)	Ratio: 2.04 Failed ⁵	Ratio: 2.90 Failed ⁵	Ratio: 2.21 Failed ⁵		Ratio: 1.56 Failed ⁵	Ratio: 2.27 Failed ⁵
Hex(23008F)	Ratio: 3.19 AA 18pt ²	Ratio: 4.54 AA ¹ AAA 18pt ⁴	Ratio: 3.45 AA 18pt ²	Ratio: 1.56 Failed ⁵		Ratio: 1.45 Failed ⁵
Hex(04000F)	Ratio: 4.63 AA ¹ AAA 18pt ⁴	Ratio: 6.59 AA ¹ AAA 18pt ⁴	Ratio: 5.01 AA ¹ AAA 18pt ⁴	Ratio: 2.27 Failed ⁵	Ratio: 1.45 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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