

Converting Colors - WCAG Matrix

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

Hex(917381) Hex(BD8EA4) Hex(919173) Hex(4A4346) Hex(8A0042) Hex(0A0005)

	Hex(917381)	Hex(BD8EA4)	Hex(919173)	Hex(4A4346)	Hex(8A0042)	Hex(0A0005)
Hex(917381)		Ratio: 1.52 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 2.28 Failed ⁵	Ratio: 2.30 Failed ⁵	Ratio: 4.90 AA ¹ AAA 18pt ⁴
Hex(BD8EA4)	Ratio: 1.52 Failed ⁵		Ratio: 1.16 Failed ⁵	Ratio: 3.47 AA 18pt ²	Ratio: 3.51 AA 18pt ²	Ratio: 7.46 Passed ⁶
Hex(919173)	Ratio: 1.31 Failed ⁵	Ratio: 1.16 Failed ⁵		Ratio: 2.98 Failed ⁵	Ratio: 3.01 AA 18pt ²	Ratio: 6.41 AA ¹ AAA 18pt ⁴
Hex(4A4346)	Ratio: 2.28 Failed ⁵	Ratio: 3.47 AA 18pt ²	Ratio: 2.98 Failed ⁵		Ratio: 1.01 Failed ⁵	Ratio: 2.15 Failed ⁵
Hex(8A0042)	Ratio: 2.30 Failed ⁵	Ratio: 3.51 AA 18pt ²	Ratio: 3.01 AA 18pt ²	Ratio: 1.01 Failed ⁵		Ratio: 2.13 Failed ⁵
Hex(0A0005)	Ratio: 4.90 AA ¹ AAA 18pt ⁴	Ratio: 7.46 Passed ⁶	Ratio: 6.41 AA ¹ AAA 18pt ⁴	Ratio: 2.15 Failed ⁵	Ratio: 2.13 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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