

Converting Colors - WCAG Matrix

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

Hex(A9009E) Hex(DB00CD) Hex(A9004C) Hex(544C54) Hex(94008A) Hex(140013)

	Hex(A9009E)	Hex(DB00CD)	Hex(A9004C)	Hex(544C54)	Hex(94008A)	Hex(140013)
Hex(A9009E)		Ratio: 1.54 Failed ⁵	Ratio: 1.14 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 3.06 AA 18pt ²
Hex(DB00CD)	Ratio: 1.54 Failed ⁵		Ratio: 1.75 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 4.71 AA ¹ AAA 18pt ⁴
Hex(A9004C)	Ratio: 1.14 Failed ⁵	Ratio: 1.75 Failed ⁵		Ratio: 1.10 Failed ⁵	Ratio: 1.06 Failed ⁵	Ratio: 2.69 Failed ⁵
Hex(544C54)	Ratio: 1.25 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.10 Failed ⁵		Ratio: 1.03 Failed ⁵	Ratio: 2.44 Failed ⁵
Hex(94008A)	Ratio: 1.21 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.06 Failed ⁵	Ratio: 1.03 Failed ⁵		Ratio: 2.53 Failed ⁵
Hex(140013)	Ratio: 3.06 AA 18pt ²	Ratio: 4.71 AA ¹ AAA 18pt ⁴	Ratio: 2.69 Failed ⁵	Ratio: 2.44 Failed ⁵	Ratio: 2.53 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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