

Converting Colors - WCAG Matrix

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

Hex(A0516B) Hex(D1567E) Hex(5193A0) Hex(4F474A) Hex(8F002F) Hex(0F0005)

	Hex(A0516B)	Hex(D1567E)	Hex(5193A0)	Hex(4F474A)	Hex(8F002F)	Hex(0F0005)
Hex(A0516B)		Ratio: 1.38 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 3.80 AA 18pt ²
Hex(D1567E)	Ratio: 1.38 Failed ⁵		Ratio: 1.13 Failed ⁵	Ratio: 2.29 Failed ⁵	Ratio: 2.42 Failed ⁵	Ratio: 5.23 AA ¹ AAA 18pt ⁴
Hex(5193A0)	Ratio: 1.55 Failed ⁵	Ratio: 1.13 Failed ⁵		Ratio: 2.59 Failed ⁵	Ratio: 2.73 Failed ⁵	Ratio: 5.90 AA ¹ AAA 18pt ⁴
Hex(4F474A)	Ratio: 1.67 Failed ⁵	Ratio: 2.29 Failed ⁵	Ratio: 2.59 Failed ⁵		Ratio: 1.06 Failed ⁵	Ratio: 2.28 Failed ⁵
Hex(8F002F)	Ratio: 1.76 Failed ⁵	Ratio: 2.42 Failed ⁵	Ratio: 2.73 Failed ⁵	Ratio: 1.06 Failed ⁵		Ratio: 2.16 Failed ⁵
Hex(0F0005)	Ratio: 3.80 AA 18pt ²	Ratio: 5.23 AA ¹ AAA 18pt ⁴	Ratio: 5.90 AA ¹ AAA 18pt ⁴	Ratio: 2.28 Failed ⁵	Ratio: 2.16 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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