

Converting Colors - WCAG Matrix

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

Hex(BB44A5) Hex(F23AD0) Hex(44BB95) Hex(5E555D) Hex(9E0081) Hex(1F0019)

	Hex(BB44A5)	Hex(F23AD0)	Hex(44BB95)	Hex(5E555D)	Hex(9E0081)	Hex(1F0019)
Hex(BB44A5)		Ratio: 1.40 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 4.18 AA 18pt ²
Hex(F23AD0)	Ratio: 1.40 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 2.14 Failed ⁵	Ratio: 2.27 Failed ⁵	Ratio: 5.87 AA ¹ AAA 18pt ⁴
Hex(44BB95)	Ratio: 1.96 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 3.00 AA 18pt ²	Ratio: 3.17 AA 18pt ²	Ratio: 8.20 Passed ⁶
Hex(5E555D)	Ratio: 1.53 Failed ⁵	Ratio: 2.14 Failed ⁵	Ratio: 3.00 AA 18pt ²		Ratio: 1.06 Failed ⁵	Ratio: 2.74 Failed ⁵
Hex(9E0081)	Ratio: 1.62 Failed ⁵	Ratio: 2.27 Failed ⁵	Ratio: 3.17 AA 18pt ²	Ratio: 1.06 Failed ⁵		Ratio: 2.58 Failed ⁵
Hex(1F0019)	Ratio: 4.18 AA 18pt ²	Ratio: 5.87 AA ¹ AAA 18pt ⁴	Ratio: 8.20 Passed ⁶	Ratio: 2.74 Failed ⁵	Ratio: 2.58 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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