

Converting Colors - WCAG Matrix

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

Hex(AF16B6) Hex(E300ED) Hex(B6166E) Hex(5B535C) Hex(95009C) Hex(1B001C)

	Hex(AF16B6)	Hex(E300ED)	Hex(B6166E)	Hex(5B535C)	Hex(95009C)	Hex(1B001C)
Hex(AF16B6)		Ratio: 1.52 Failed ⁵	Ratio: 1.09 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 3.40 AA 18pt ²
Hex(E300ED)	Ratio: 1.52 Failed ⁵		Ratio: 1.65 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 5.16 AA ¹ AAA 18pt ⁴
Hex(B6166E)	Ratio: 1.09 Failed ⁵	Ratio: 1.65 Failed ⁵		Ratio: 1.17 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 3.13 AA 18pt ²
Hex(5B535C)	Ratio: 1.27 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.17 Failed ⁵		Ratio: 1.03 Failed ⁵	Ratio: 2.67 Failed ⁵
Hex(95009C)	Ratio: 1.31 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 1.03 Failed ⁵		Ratio: 2.59 Failed ⁵
Hex(1B001C)	Ratio: 3.40 AA 18pt ²	Ratio: 5.16 AA ¹ AAA 18pt ⁴	Ratio: 3.13 AA 18pt ²	Ratio: 2.67 Failed ⁵	Ratio: 2.59 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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