

Converting Colors - WCAG Matrix

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

	Hex(F220C7)	Hex(D400AB)	Hex(B50090)	Hex(970076)	Hex(7A005D)	Hex(5D0045)	Hex(000000)
Hex(F220C7)		Ratio: 1.32 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 2.25 Failed ⁵	Ratio: 2.92 Failed ⁵	Ratio: 3.74 AA 18pt ²	Ratio: 5.81 AA ¹ AAA 18pt ⁴
Hex(D400AB)	Ratio: 1.32 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 2.21 Failed ⁵	Ratio: 2.83 Failed ⁵	Ratio: 4.39 AA 18pt ²
Hex(B50090)	Ratio: 1.72 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 2.17 Failed ⁵	Ratio: 3.37 AA 18pt ²
Hex(970076)	Ratio: 2.25 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 2.58 Failed ⁵
Hex(7A005D)	Ratio: 2.92 Failed ⁵	Ratio: 2.21 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.28 Failed ⁵	Ratio: 1.99 Failed ⁵
Hex(5D0045)	Ratio: 3.74 AA 18pt ²	Ratio: 2.83 Failed ⁵	Ratio: 2.17 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.28 Failed ⁵		Ratio: 1.55 Failed ⁵
Hex(000000)	Ratio: 5.81 AA ¹ AAA 18pt ⁴	Ratio: 4.39 AA 18pt ²	Ratio: 3.37 AA 18pt ²	Ratio: 2.58 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.55 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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