

Converting Colors - WCAG Matrix

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

Hex(D835C8) Hex(FF17E8) Hex(D89435) Hex(6B606A) Hex(AB009A) Hex(2B0027)

	Hex(D835C8)	Hex(FF17E8)	Hex(D89435)	Hex(6B606A)	Hex(AB009A)	Hex(2B0027)
Hex(D835C8)		Ratio: 1.24 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 4.65 AA ¹ AAA 18pt ⁴
Hex(FF17E8)	Ratio: 1.24 Failed ⁵		Ratio: 1.25 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 5.78 AA ¹ AAA 18pt ⁴
Hex(D89435)	Ratio: 1.56 Failed ⁵	Ratio: 1.25 Failed ⁵		Ratio: 2.34 Failed ⁵	Ratio: 2.57 Failed ⁵	Ratio: 7.25 Passed ⁶
Hex(6B606A)	Ratio: 1.50 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 2.34 Failed ⁵		Ratio: 1.10 Failed ⁵	Ratio: 3.10 AA 18pt ²
Hex(AB009A)	Ratio: 1.65 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.57 Failed ⁵	Ratio: 1.10 Failed ⁵		Ratio: 2.83 Failed ⁵
Hex(2B0027)	Ratio: 4.65 AA ¹ AAA 18pt ⁴	Ratio: 5.78 AA ¹ AAA 18pt ⁴	Ratio: 7.25 Passed ⁶	Ratio: 3.10 AA 18pt ²	Ratio: 2.83 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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