

Converting Colors - WCAG Matrix

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

Hex(DE13A5) Hex(FF00B7) Hex(42DE13) Hex(70656D) Hex(B0007F) Hex(300023)

	Hex(DE13A5)	Hex(FF00B7)	Hex(42DE13)	Hex(70656D)	Hex(B0007F)	Hex(300023)
Hex(DE13A5)		Ratio: 1.25 Failed ⁵	Ratio: 2.46 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 4.12 AA 18pt ²
Hex(FF00B7)	Ratio: 1.25 Failed ⁵		Ratio: 1.97 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 5.16 AA ¹ AAA 18pt ⁴
Hex(42DE13)	Ratio: 2.46 Failed ⁵	Ratio: 1.97 Failed ⁵		Ratio: 3.10 AA 18pt ²	Ratio: 3.71 AA 18pt ²	Ratio: 10.16 Passed ⁶
Hex(70656D)	Ratio: 1.26 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 3.10 AA 18pt ²		Ratio: 1.20 Failed ⁵	Ratio: 3.28 AA 18pt ²
Hex(B0007F)	Ratio: 1.50 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 3.71 AA 18pt ²	Ratio: 1.20 Failed ⁵		Ratio: 2.74 Failed ⁵
Hex(300023)	Ratio: 4.12 AA 18pt ²	Ratio: 5.16 AA ¹ AAA 18pt ⁴	Ratio: 10.16 Passed ⁶	Ratio: 3.28 AA 18pt ²	Ratio: 2.74 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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