

Converting Colors - WCAG Matrix

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

Hex(DE23B5) Hex(FF00C7) Hex(58DE23) Hex(70656E) Hex(B00089) Hex(300026)

	Hex(DE23B5)	Hex(FF00C7)	Hex(58DE23)	Hex(70656E)	Hex(B00089)	Hex(300026)
Hex(DE23B5)		Ratio: 1.21 Failed ⁵	Ratio: 2.37 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 4.35 AA 18pt ²
Hex(FF00C7)	Ratio: 1.21 Failed ⁵		Ratio: 1.96 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 5.27 AA ¹ AAA 18pt ⁴
Hex(58DE23)	Ratio: 2.37 Failed ⁵	Ratio: 1.96 Failed ⁵		Ratio: 3.15 AA 18pt ²	Ratio: 3.71 AA 18pt ²	Ratio: 10.30 Passed ⁶
Hex(70656E)	Ratio: 1.33 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 3.15 AA 18pt ²		Ratio: 1.18 Failed ⁵	Ratio: 3.27 AA 18pt ²
Hex(B00089)	Ratio: 1.56 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 3.71 AA 18pt ²	Ratio: 1.18 Failed ⁵		Ratio: 2.78 Failed ⁵
Hex(300026)	Ratio: 4.35 AA 18pt ²	Ratio: 5.27 AA ¹ AAA 18pt ⁴	Ratio: 10.30 Passed ⁶	Ratio: 3.27 AA 18pt ²	Ratio: 2.78 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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