

Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.
Hex(AC01CC) Hex(D600FF) Hex(CC0189) Hex(645C66) Hex(8B00A6) Hex(200026)

	Hex(AC01CC)	Hex(D600FF)	Hex(CC0189)	Hex(645C66)	Hex(8B00A6)	Hex(200026)
Hex(AC01CC)		Ratio: 1.46 Failed ⁵	Ratio: 1.08 Failed ⁵	Ratio: 1.11 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 3.33 AA 18pt ²
Hex(D600FF)	Ratio: 1.46 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 4.87 AA ¹ AAA 18pt ⁴
Hex(CC0189)	Ratio: 1.08 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 3.61 AA 18pt ²
Hex(645C66)	Ratio: 1.11 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 3.00 AA 18pt ²
Hex(8B00A6)	Ratio: 1.37 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 2.43 Failed ⁵
Hex(200026)	Ratio: 3.33 AA 18pt ²	Ratio: 4.87 AA ¹ AAA 18pt ⁴	Ratio: 3.61 AA 18pt ²	Ratio: 3.00 AA 18pt ²	Ratio: 2.43 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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