

Converting Colors - WCAG Matrix

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

Hex(66004F) Hex(855D7C) Hex(160066) Hex(422A3D) Hex(C2C2C2) Hex(424242)

	Hex(66004F)	Hex(855D7C)	Hex(160066)	Hex(422A3D)	Hex(C2C2C2)	Hex(424242)
Hex(66004F)		Ratio: 2.30 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.03 Failed ⁵	Ratio: 7.03 Passed ⁶	Ratio: 1.25 Failed ⁵
Hex(855D7C)	Ratio: 2.30 Failed ⁵		Ratio: 3.14 AA 18pt ²	Ratio: 2.36 Failed ⁵	Ratio: 3.06 AA 18pt ²	Ratio: 1.84 Failed ⁵
Hex(160066)	Ratio: 1.37 Failed ⁵	Ratio: 3.14 AA 18pt ²		Ratio: 1.33 Failed ⁵	Ratio: 9.62 Passed ⁶	Ratio: 1.70 Failed ⁵
Hex(422A3D)	Ratio: 1.03 Failed ⁵	Ratio: 2.36 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 7.23 Passed ⁶	Ratio: 1.28 Failed ⁵
Hex(C2C2C2)	Ratio: 7.03 Passed ⁶	Ratio: 3.06 AA 18pt ²	Ratio: 9.62 Passed ⁶	Ratio: 7.23 Passed ⁶		Ratio: 5.64 AA ¹ AAA 18pt ⁴
Hex(424242)	Ratio: 1.25 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 5.64 AA ¹ AAA 18pt ⁴	

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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