

Converting Colors - WCAG Matrix

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

Hex(300040) Hex(4E3B54) Hex(001040) Hex(271C2B) Hex(ABABAB) Hex(2B2B2B)

	Hex(300040)	Hex(4E3B54)	Hex(001040)	Hex(271C2B)	Hex(ABABAB)	Hex(2B2B2B)
Hex(300040)		Ratio: 1.73 Failed ⁵	Ratio: 1.04 Failed ⁵	Ratio: 1.07 Failed ⁵	Ratio: 7.62 Passed ⁶	Ratio: 1.24 Failed ⁵
Hex(4E3B54)	Ratio: 1.73 Failed ⁵		Ratio: 1.81 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 4.40 AA 18pt ²	Ratio: 1.40 Failed ⁵
Hex(001040)	Ratio: 1.04 Failed ⁵	Ratio: 1.81 Failed ⁵		Ratio: 1.12 Failed ⁵	Ratio: 7.96 Passed ⁶	Ratio: 1.29 Failed ⁵
Hex(271C2B)	Ratio: 1.07 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.12 Failed ⁵		Ratio: 7.10 Passed ⁶	Ratio: 1.15 Failed ⁵
Hex(ABABAB)	Ratio: 7.62 Passed ⁶	Ratio: 4.40 AA 18pt ²	Ratio: 7.96 Passed ⁶	Ratio: 7.10 Passed ⁶		Ratio: 6.17 AA ¹ AAA 18pt ⁴
Hex(2B2B2B)	Ratio: 1.24 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 1.15 Failed ⁵	Ratio: 6.17 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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