

Converting Colors - WCAG Matrix

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

Hex(8B0B47) Hex(B50055) Hex(8B0D0B) Hex(453E41) Hex(85003E) Hex(050002)

	Hex(8B0B47)	Hex(B50055)	Hex(8B0D0B)	Hex(453E41)	Hex(85003E)	Hex(050002)
Hex(8B0B47)		Ratio: 1.38 Failed ⁵	Ratio: 1.04 Failed ⁵	Ratio: 1.11 Failed ⁵	Ratio: 1.08 Failed ⁵	Ratio: 2.22 Failed ⁵
Hex(B50055)	Ratio: 1.38 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 3.07 AA 18pt ²
Hex(8B0D0B)	Ratio: 1.04 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.07 Failed ⁵	Ratio: 1.05 Failed ⁵	Ratio: 2.14 Failed ⁵
Hex(453E41)	Ratio: 1.11 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.07 Failed ⁵		Ratio: 1.02 Failed ⁵	Ratio: 2.00 Failed ⁵
Hex(85003E)	Ratio: 1.08 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.05 Failed ⁵	Ratio: 1.02 Failed ⁵		Ratio: 2.05 Failed ⁵
Hex(050002)	Ratio: 2.22 Failed ⁵	Ratio: 3.07 AA 18pt ²	Ratio: 2.14 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.05 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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