

Converting Colors - WCAG Matrix

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

	Hex(5C00BF)	Hex(3B00A3)	Hex(0C0088)	Hex(00006E)	Hex(000054)	Hex(00053C)	Hex(000225)	Hex(00010E)	Hex(000000)
Hex(5C00BF)		Ratio: 1.29 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.13 Failed ⁵	Ratio: 2.18 Failed ⁵	Ratio: 2.21 Failed ⁵
Hex(3B00A3)	Ratio: 1.29 Failed ⁵		Ratio: 1.25 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.71 Failed ⁵
Hex(0C0088)	Ratio: 1.61 Failed ⁵	Ratio: 1.25 Failed ⁵		Ratio: 1.12 Failed ⁵	Ratio: 1.22 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.37 Failed ⁵
Hex(00006E)	Ratio: 1.80 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.12 Failed ⁵		Ratio: 1.09 Failed ⁵	Ratio: 1.13 Failed ⁵	Ratio: 1.18 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 1.23 Failed ⁵
Hex(000054)	Ratio: 1.96 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.22 Failed ⁵	Ratio: 1.09 Failed ⁵		Ratio: 1.04 Failed ⁵	Ratio: 1.09 Failed ⁵	Ratio: 1.12 Failed ⁵	Ratio: 1.13 Failed ⁵
Hex(00053C)	Ratio: 2.03 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.13 Failed ⁵	Ratio: 1.04 Failed ⁵		Ratio: 1.05 Failed ⁵	Ratio: 1.08 Failed ⁵	Ratio: 1.09 Failed ⁵
Hex(000225)	Ratio: 2.13 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.18 Failed ⁵	Ratio: 1.09 Failed ⁵	Ratio: 1.05 Failed ⁵		Ratio: 1.02 Failed ⁵	Ratio: 1.04 Failed ⁵
Hex(00010E)	Ratio: 2.18 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 1.12 Failed ⁵	Ratio: 1.08 Failed ⁵	Ratio: 1.02 Failed ⁵		Ratio: 1.01 Failed ⁵
Hex(000000)	Ratio: 2.21 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.23 Failed ⁵	Ratio: 1.13 Failed ⁵	Ratio: 1.09 Failed ⁵	Ratio: 1.04 Failed ⁵	Ratio: 1.01 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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