

Converting Colors - WCAG Matrix

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

	Hex(4B02AB)	Hex(290090)	Hex(000075)	Hex(00005B)	Hex(000743)	Hex(00032B)	Hex(000116)	Hex(000000)
Hex(4B02AB)		Ratio: 1.27 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.90 Failed ⁵
Hex(290090)	Ratio: 1.27 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.50 Failed ⁵
Hex(000075)	Ratio: 1.51 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 1.09 Failed ⁵	Ratio: 1.13 Failed ⁵	Ratio: 1.20 Failed ⁵	Ratio: 1.24 Failed ⁵	Ratio: 1.26 Failed ⁵
Hex(00005B)	Ratio: 1.65 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.09 Failed ⁵		Ratio: 1.04 Failed ⁵	Ratio: 1.10 Failed ⁵	Ratio: 1.13 Failed ⁵	Ratio: 1.15 Failed ⁵
Hex(000743)	Ratio: 1.71 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.13 Failed ⁵	Ratio: 1.04 Failed ⁵		Ratio: 1.06 Failed ⁵	Ratio: 1.09 Failed ⁵	Ratio: 1.11 Failed ⁵
Hex(00032B)	Ratio: 1.81 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.20 Failed ⁵	Ratio: 1.10 Failed ⁵	Ratio: 1.06 Failed ⁵		Ratio: 1.03 Failed ⁵	Ratio: 1.05 Failed ⁵
Hex(000116)	Ratio: 1.87 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.24 Failed ⁵	Ratio: 1.13 Failed ⁵	Ratio: 1.09 Failed ⁵	Ratio: 1.03 Failed ⁵		Ratio: 1.02 Failed ⁵
Hex(000000)	Ratio: 1.90 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.15 Failed ⁵	Ratio: 1.11 Failed ⁵	Ratio: 1.05 Failed ⁵	Ratio: 1.02 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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