

Converting Colors - WCAG Matrix

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

	Hex(004F9E)	Hex(003984)	Hex(00246A)	Hex(000F51)	Hex(000539)	Hex(000223)	Hex(00000A)	Hex(000000)
Hex(004F9E)		Ratio: 1.36 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 2.20 Failed ⁵	Ratio: 2.42 Failed ⁵	Ratio: 2.53 Failed ⁵	Ratio: 2.60 Failed ⁵	Ratio: 2.61 Failed ⁵
Hex(003984)	Ratio: 1.36 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.92 Failed ⁵
Hex(00246A)	Ratio: 1.79 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.46 Failed ⁵
Hex(000F51)	Ratio: 2.20 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.10 Failed ⁵	Ratio: 1.15 Failed ⁵	Ratio: 1.18 Failed ⁵	Ratio: 1.19 Failed ⁵
Hex(000539)	Ratio: 2.42 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.10 Failed ⁵		Ratio: 1.05 Failed ⁵	Ratio: 1.08 Failed ⁵	Ratio: 1.08 Failed ⁵
Hex(000223)	Ratio: 2.53 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.15 Failed ⁵	Ratio: 1.05 Failed ⁵		Ratio: 1.03 Failed ⁵	Ratio: 1.03 Failed ⁵
Hex(00000A)	Ratio: 2.60 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.18 Failed ⁵	Ratio: 1.08 Failed ⁵	Ratio: 1.03 Failed ⁵		Ratio: 1.00 Failed ⁵
Hex(000000)	Ratio: 2.61 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.08 Failed ⁵	Ratio: 1.03 Failed ⁵	Ratio: 1.00 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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