

Converting Colors - WCAG Matrix

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

	Hex(28589C)	Hex(004182)	Hex(002C68)	Hex(001850)	Hex(000538)	Hex(000222)	Hex(000007)	Hex(000000)
Hex(28589C)		Ratio: 1.43 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.38 Failed ⁵	Ratio: 2.75 Failed ⁵	Ratio: 2.87 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 2.97 Failed ⁵
Hex(004182)	Ratio: 1.43 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.08 Failed ⁵
Hex(002C68)	Ratio: 1.90 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.25 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.56 Failed ⁵
Hex(001850)	Ratio: 2.38 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.25 Failed ⁵		Ratio: 1.16 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 1.24 Failed ⁵	Ratio: 1.25 Failed ⁵
Hex(000538)	Ratio: 2.75 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.16 Failed ⁵		Ratio: 1.05 Failed ⁵	Ratio: 1.08 Failed ⁵	Ratio: 1.08 Failed ⁵
Hex(000222)	Ratio: 2.87 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 1.05 Failed ⁵		Ratio: 1.03 Failed ⁵	Ratio: 1.03 Failed ⁵
Hex(000007)	Ratio: 2.96 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.24 Failed ⁵	Ratio: 1.08 Failed ⁵	Ratio: 1.03 Failed ⁵		Ratio: 1.00 Failed ⁵
Hex(000000)	Ratio: 2.97 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.25 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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