

Converting Colors - WCAG Matrix

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

	Hex(0873BD)	Hex(005CA1)	Hex(004287)	Hex(002E6E)	Hex(001A54)	Hex(00053D)	Hex(000326)	Hex(00000F)	Hex(000000)
Hex(0873BD)		Ratio: 1.38 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.60 Failed ⁵	Ratio: 3.29 AA 18pt ²	Ratio: 3.85 AA 18pt ²	Ratio: 4.03 AA 18pt ²	Ratio: 4.17 AA 18pt ²	Ratio: 4.20 AA 18pt ²
Hex(005CA1)	Ratio: 1.38 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 2.39 Failed ⁵	Ratio: 2.80 Failed ⁵	Ratio: 2.93 Failed ⁵	Ratio: 3.03 AA 18pt ²	Ratio: 3.05 AA 18pt ²
Hex(004287)	Ratio: 1.97 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.11 Failed ⁵	Ratio: 2.13 Failed ⁵
Hex(002E6E)	Ratio: 2.60 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.27 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.62 Failed ⁵
Hex(001A54)	Ratio: 3.29 AA 18pt ²	Ratio: 2.39 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.27 Failed ⁵		Ratio: 1.17 Failed ⁵	Ratio: 1.23 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.28 Failed ⁵
Hex(00053D)	Ratio: 3.85 AA 18pt ²	Ratio: 2.80 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.17 Failed ⁵		Ratio: 1.05 Failed ⁵	Ratio: 1.08 Failed ⁵	Ratio: 1.09 Failed ⁵
Hex(000326)	Ratio: 4.03 AA 18pt ²	Ratio: 2.93 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.23 Failed ⁵	Ratio: 1.05 Failed ⁵		Ratio: 1.03 Failed ⁵	Ratio: 1.04 Failed ⁵
Hex(00000F)	Ratio: 4.17 AA 18pt ²	Ratio: 3.03 AA 18pt ²	Ratio: 2.11 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.08 Failed ⁵	Ratio: 1.03 Failed ⁵		Ratio: 1.01 Failed ⁵
Hex(000000)	Ratio: 4.20 AA 18pt ²	Ratio: 3.05 AA 18pt ²	Ratio: 2.13 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.28 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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