

Converting Colors - WCAG Matrix

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

	Hex(16639B)	Hex(0075C9)	Hex(16219B)	Hex(45494D)	Hex(00518C)	Hex(00070D)
Hex(16639B)		Ratio: 1.33 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 3.18 AA 18pt ²
Hex(0075C9)	Ratio: 1.33 Failed ⁵		Ratio: 2.54 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 4.23 AA 18pt ²
Hex(16219B)	Ratio: 1.91 Failed ⁵	Ratio: 2.54 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.66 Failed ⁵
Hex(45494D)	Ratio: 1.42 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.10 Failed ⁵	Ratio: 2.23 Failed ⁵
Hex(00518C)	Ratio: 1.29 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.10 Failed ⁵		Ratio: 2.47 Failed ⁵
Hex(00070D)	Ratio: 3.18 AA 18pt ²	Ratio: 4.23 AA 18pt ²	Ratio: 1.66 Failed ⁵	Ratio: 2.23 Failed ⁵	Ratio: 2.47 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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