

Converting Colors - WCAG Matrix

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

Hex(639191) Hex(75BDBD) Hex(637A91) Hex(424A4A) Hex(008A8A) Hex(000A0A)

	Hex(639191)	Hex(75BDBD)	Hex(637A91)	Hex(424A4A)	Hex(008A8A)	Hex(000A0A)
Hex(639191)		Ratio: 1.63 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 2.59 Failed ⁵	Ratio: 1.20 Failed ⁵	Ratio: 5.72 AA ¹ AAA 18pt ⁴
Hex(75BDBD)	Ratio: 1.63 Failed ⁵		Ratio: 2.07 Failed ⁵	Ratio: 4.23 AA 18pt ²	Ratio: 1.95 Failed ⁵	Ratio: 9.32 Passed ⁶
Hex(637A91)	Ratio: 1.27 Failed ⁵	Ratio: 2.07 Failed ⁵		Ratio: 2.04 Failed ⁵	Ratio: 1.06 Failed ⁵	Ratio: 4.51 AA ¹ AAA 18pt ⁴
Hex(424A4A)	Ratio: 2.59 Failed ⁵	Ratio: 4.23 AA 18pt ²	Ratio: 2.04 Failed ⁵		Ratio: 2.17 Failed ⁵	Ratio: 2.20 Failed ⁵
Hex(008A8A)	Ratio: 1.20 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.06 Failed ⁵	Ratio: 2.17 Failed ⁵		Ratio: 4.77 AA ¹ AAA 18pt ⁴
Hex(000A0A)	Ratio: 5.72 AA ¹ AAA 18pt ⁴	Ratio: 9.32 Passed ⁶	Ratio: 4.51 AA ¹ AAA 18pt ⁴	Ratio: 2.20 Failed ⁵	Ratio: 4.77 AA ¹ AAA 18pt ⁴	

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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