

Converting Colors - WCAG Matrix

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

Hex(919EB3) Hex(B3C7E8) Hex(9591B3) Hex(505459) Hex(003A99) Hex(000A1A)

	Hex(919EB3)	Hex(B3C7E8)	Hex(9591B3)	Hex(505459)	Hex(003A99)	Hex(000A1A)
Hex(919EB3)		Ratio: 1.58 Failed ⁵	Ratio: 1.11 Failed ⁵	Ratio: 2.81 Failed ⁵	Ratio: 3.75 AA 18pt ²	Ratio: 7.32 Passed ⁶
Hex(B3C7E8)	Ratio: 1.58 Failed ⁵		Ratio: 1.76 Failed ⁵	Ratio: 4.45 AA 18pt ²	Ratio: 5.93 AA ¹ AAA 18pt ⁴	Ratio: 11.58 Passed ⁶
Hex(9591B3)	Ratio: 1.11 Failed ⁵	Ratio: 1.76 Failed ⁵		Ratio: 2.53 Failed ⁵	Ratio: 3.38 AA 18pt ²	Ratio: 6.59 AA ¹ AAA 18pt ⁴
Hex(505459)	Ratio: 2.81 Failed ⁵	Ratio: 4.45 AA 18pt ²	Ratio: 2.53 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 2.60 Failed ⁵
Hex(003A99)	Ratio: 3.75 AA 18pt ²	Ratio: 5.93 AA ¹ AAA 18pt ⁴	Ratio: 3.38 AA 18pt ²	Ratio: 1.33 Failed ⁵		Ratio: 1.95 Failed ⁵
Hex(000A1A)	Ratio: 7.32 Passed ⁶	Ratio: 11.58 Passed ⁶	Ratio: 6.59 AA ¹ AAA 18pt ⁴	Ratio: 2.60 Failed ⁵	Ratio: 1.95 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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