

Converting Colors - WCAG Matrix

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

	Hex(98A2AF)	Hex(7E8894)	Hex(656E7B)	Hex(4D5662)	Hex(363F4A)	Hex(202933)	Hex(0B151E)	Hex(000003)	Hex(000000)
Hex(98A2AF)		Ratio: 1.39 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.88 Failed ⁵	Ratio: 4.13 AA 18pt ²	Ratio: 5.69 AA ¹ AAA 18pt ⁴	Ratio: 7.12 Passed ⁶	Ratio: 8.11 Passed ⁶	Ratio: 8.12 Passed ⁶
Hex(7E8894)	Ratio: 1.39 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.97 Failed ⁵	Ratio: 4.09 AA 18pt ²	Ratio: 5.12 AA ¹ AAA 18pt ⁴	Ratio: 5.83 AA ¹ AAA 18pt ⁴	Ratio: 5.84 AA ¹ AAA 18pt ⁴
Hex(656E7B)	Ratio: 2.00 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.85 Failed ⁵	Ratio: 3.57 AA 18pt ²	Ratio: 4.06 AA 18pt ²	Ratio: 4.07 AA 18pt ²
Hex(4D5662)	Ratio: 2.88 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 2.48 Failed ⁵	Ratio: 2.82 Failed ⁵	Ratio: 2.82 Failed ⁵
Hex(363F4A)	Ratio: 4.13 AA 18pt ²	Ratio: 2.97 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.97 Failed ⁵
Hex(202933)	Ratio: 5.69 AA ¹ AAA 18pt ⁴	Ratio: 4.09 AA 18pt ²	Ratio: 2.85 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.25 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.43 Failed ⁵
Hex(0B151E)	Ratio: 7.12 Passed ⁶	Ratio: 5.12 AA ¹ AAA 18pt ⁴	Ratio: 3.57 AA 18pt ²	Ratio: 2.48 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.25 Failed ⁵		Ratio: 1.14 Failed ⁵	Ratio: 1.14 Failed ⁵
Hex(000003)	Ratio: 8.11 Passed ⁶	Ratio: 5.83 AA ¹ AAA 18pt ⁴	Ratio: 4.06 AA 18pt ²	Ratio: 2.82 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.14 Failed ⁵		Ratio: 1.00 Failed ⁵
Hex(000000)	Ratio: 8.12 Passed ⁶	Ratio: 5.84 AA ¹ AAA 18pt ⁴	Ratio: 4.07 AA 18pt ²	Ratio: 2.82 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.14 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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