

Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.
Hex(081F48) Hex(454E5E) Hex(084831) Hex(212730) Hex(B0B0B0) Hex(303030)

	Hex(081F48)	Hex(454E5E)	Hex(084831)	Hex(212730)	Hex(B0B0B0)	Hex(303030)
Hex(081F48)		Ratio: 1.93 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.08 Failed ⁵	Ratio: 7.45 Passed ⁶	Ratio: 1.22 Failed ⁵
Hex(454E5E)	Ratio: 1.93 Failed ⁵		Ratio: 1.26 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 3.87 AA 18pt ²	Ratio: 1.57 Failed ⁵
Hex(084831)	Ratio: 1.52 Failed ⁵	Ratio: 1.26 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 4.89 AA ¹ AAA 18pt ⁴	Ratio: 1.25 Failed ⁵
Hex(212730)	Ratio: 1.08 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 6.93 AA ¹ AAA 18pt ⁴	Ratio: 1.14 Failed ⁵
Hex(B0B0B0)	Ratio: 7.45 Passed ⁶	Ratio: 3.87 AA 18pt ²	Ratio: 4.89 AA ¹ AAA 18pt ⁴	Ratio: 6.93 AA ¹ AAA 18pt ⁴		Ratio: 6.09 AA ¹ AAA 18pt ⁴
Hex(303030)	Ratio: 1.22 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 1.14 Failed ⁵	Ratio: 6.09 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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