

Converting Colors - WCAG Matrix

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

	Hex(487882)	Hex(2E5F69)	Hex(124751)	Hex(00313A)	Hex(001C24)	Hex(00010F)	Hex(000000)
Hex(487882)		Ratio: 1.45 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.86 Failed ⁵	Ratio: 3.60 AA 18pt ²	Ratio: 4.24 AA 18pt ²	Ratio: 4.28 AA 18pt ²
Hex(2E5F69)	Ratio: 1.45 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.48 Failed ⁵	Ratio: 2.92 Failed ⁵	Ratio: 2.96 Failed ⁵
Hex(124751)	Ratio: 2.09 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.05 Failed ⁵
Hex(00313A)	Ratio: 2.86 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.26 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.50 Failed ⁵
Hex(001C24)	Ratio: 3.60 AA 18pt ²	Ratio: 2.48 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.26 Failed ⁵		Ratio: 1.18 Failed ⁵	Ratio: 1.19 Failed ⁵
Hex(00010F)	Ratio: 4.24 AA 18pt ²	Ratio: 2.92 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.18 Failed ⁵		Ratio: 1.01 Failed ⁵
Hex(000000)	Ratio: 4.28 AA 18pt ²	Ratio: 2.96 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.01 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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