

Converting Colors - WCAG Matrix

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

	Hex(3C647E)	Hex(224C65)	Hex(00354D)	Hex(002036)	Hex(000621)	Hex(000006)	Hex(000000)
Hex(3C647E)		Ratio: 1.45 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.63 Failed ⁵	Ratio: 3.16 AA 18pt ²	Ratio: 3.31 AA 18pt ²	Ratio: 3.32 AA 18pt ²
Hex(224C65)	Ratio: 1.45 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 2.18 Failed ⁵	Ratio: 2.28 Failed ⁵	Ratio: 2.29 Failed ⁵
Hex(00354D)	Ratio: 2.05 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.28 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.62 Failed ⁵
Hex(002036)	Ratio: 2.63 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.28 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.26 Failed ⁵
Hex(000621)	Ratio: 3.16 AA 18pt ²	Ratio: 2.18 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.05 Failed ⁵	Ratio: 1.05 Failed ⁵
Hex(000006)	Ratio: 3.31 AA 18pt ²	Ratio: 2.28 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.05 Failed ⁵		Ratio: 1.00 Failed ⁵
Hex(000000)	Ratio: 3.32 AA 18pt ²	Ratio: 2.29 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.05 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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