

Converting Colors - WCAG Matrix

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

	Hex(00345C)	Hex(09385C)	Hex(123C5C)	Hex(1C405C)	Hex(25445C)	Hex(2E485C)	Hex(374C5C)	Hex(40505C)	Hex(4A545C)	Hex(53585C)
Hex(00345C)		Ratio: 1.05 Failed ⁵	Ratio: 1.11 Failed ⁵	Ratio: 1.18 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.77 Failed ⁵
Hex(09385C)	Ratio: 1.05 Failed ⁵		Ratio: 1.05 Failed ⁵	Ratio: 1.12 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.69 Failed ⁵
Hex(123C5C)	Ratio: 1.11 Failed ⁵	Ratio: 1.05 Failed ⁵		Ratio: 1.06 Failed ⁵	Ratio: 1.13 Failed ⁵	Ratio: 1.20 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.60 Failed ⁵
Hex(1C405C)	Ratio: 1.18 Failed ⁵	Ratio: 1.12 Failed ⁵	Ratio: 1.06 Failed ⁵		Ratio: 1.06 Failed ⁵	Ratio: 1.13 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.51 Failed ⁵
Hex(25445C)	Ratio: 1.25 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.13 Failed ⁵	Ratio: 1.06 Failed ⁵		Ratio: 1.07 Failed ⁵	Ratio: 1.14 Failed ⁵	Ratio: 1.22 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.42 Failed ⁵
Hex(2E485C)	Ratio: 1.34 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.20 Failed ⁵	Ratio: 1.13 Failed ⁵	Ratio: 1.07 Failed ⁵		Ratio: 1.07 Failed ⁵	Ratio: 1.15 Failed ⁵	Ratio: 1.23 Failed ⁵	Ratio: 1.33 Failed ⁵
Hex(374C5C)	Ratio: 1.43 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 1.14 Failed ⁵	Ratio: 1.07 Failed ⁵		Ratio: 1.07 Failed ⁵	Ratio: 1.15 Failed ⁵	Ratio: 1.24 Failed ⁵
Hex(40505C)	Ratio: 1.53 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.22 Failed ⁵	Ratio: 1.15 Failed ⁵	Ratio: 1.07 Failed ⁵		Ratio: 1.08 Failed ⁵	Ratio: 1.16 Failed ⁵
Hex(4A545C)	Ratio: 1.65 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.23 Failed ⁵	Ratio: 1.15 Failed ⁵	Ratio: 1.08 Failed ⁵		Ratio: 1.08 Failed ⁵
Hex(53585C)	Ratio: 1.77 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 1.24 Failed ⁵	Ratio: 1.16 Failed ⁵	Ratio: 1.08 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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