

Converting Colors - WCAG Matrix

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

	Hex(3F4249)	Hex(383D49)	Hex(303849)	Hex(293349)	Hex(222E49)	Hex(1B2849)	Hex(132349)	Hex(0C1E49)	Hex(051949)	Hex(001649)
Hex(3F4249)		Ratio: 1.08 Failed ⁵	Ratio: 1.17 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.72 Failed ⁵
Hex(383D49)	Ratio: 1.08 Failed ⁵		Ratio: 1.08 Failed ⁵	Ratio: 1.16 Failed ⁵	Ratio: 1.24 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.60 Failed ⁵
Hex(303849)	Ratio: 1.17 Failed ⁵	Ratio: 1.08 Failed ⁵		Ratio: 1.07 Failed ⁵	Ratio: 1.15 Failed ⁵	Ratio: 1.24 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.48 Failed ⁵
Hex(293349)	Ratio: 1.25 Failed ⁵	Ratio: 1.16 Failed ⁵	Ratio: 1.07 Failed ⁵		Ratio: 1.07 Failed ⁵	Ratio: 1.15 Failed ⁵	Ratio: 1.22 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.37 Failed ⁵
Hex(222E49)	Ratio: 1.34 Failed ⁵	Ratio: 1.24 Failed ⁵	Ratio: 1.15 Failed ⁵	Ratio: 1.07 Failed ⁵		Ratio: 1.08 Failed ⁵	Ratio: 1.14 Failed ⁵	Ratio: 1.20 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 1.28 Failed ⁵
Hex(1B2849)	Ratio: 1.44 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.24 Failed ⁵	Ratio: 1.15 Failed ⁵	Ratio: 1.08 Failed ⁵		Ratio: 1.06 Failed ⁵	Ratio: 1.11 Failed ⁵	Ratio: 1.16 Failed ⁵	Ratio: 1.19 Failed ⁵
Hex(132349)	Ratio: 1.53 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.22 Failed ⁵	Ratio: 1.14 Failed ⁵	Ratio: 1.06 Failed ⁵		Ratio: 1.05 Failed ⁵	Ratio: 1.10 Failed ⁵	Ratio: 1.13 Failed ⁵
Hex(0C1E49)	Ratio: 1.61 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.20 Failed ⁵	Ratio: 1.11 Failed ⁵	Ratio: 1.05 Failed ⁵		Ratio: 1.04 Failed ⁵	Ratio: 1.07 Failed ⁵
Hex(051949)	Ratio: 1.68 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 1.16 Failed ⁵	Ratio: 1.10 Failed ⁵	Ratio: 1.04 Failed ⁵		Ratio: 1.03 Failed ⁵
Hex(001649)	Ratio: 1.72 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.13 Failed ⁵	Ratio: 1.07 Failed ⁵	Ratio: 1.03 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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