

Converting Colors - WCAG Matrix

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

	Hex(00174C)	Hex(081C4C)	Hex(0F224C)	Hex(17274C)	Hex(1E2C4C)	Hex(26324C)	Hex(2E374C)	Hex(353C4C)	Hex(3D414C)	Hex(44474C)
Hex(00174C)		Ratio: 1.04 Failed ⁵	Ratio: 1.10 Failed ⁵	Ratio: 1.17 Failed ⁵	Ratio: 1.24 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.83 Failed ⁵
Hex(081C4C)	Ratio: 1.04 Failed ⁵		Ratio: 1.06 Failed ⁵	Ratio: 1.12 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.76 Failed ⁵
Hex(0F224C)	Ratio: 1.10 Failed ⁵	Ratio: 1.06 Failed ⁵		Ratio: 1.06 Failed ⁵	Ratio: 1.12 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.66 Failed ⁵
Hex(17274C)	Ratio: 1.17 Failed ⁵	Ratio: 1.12 Failed ⁵	Ratio: 1.06 Failed ⁵		Ratio: 1.06 Failed ⁵	Ratio: 1.15 Failed ⁵	Ratio: 1.23 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.57 Failed ⁵
Hex(1E2C4C)	Ratio: 1.24 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.12 Failed ⁵	Ratio: 1.06 Failed ⁵		Ratio: 1.08 Failed ⁵	Ratio: 1.16 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.48 Failed ⁵
Hex(26324C)	Ratio: 1.34 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 1.15 Failed ⁵	Ratio: 1.08 Failed ⁵		Ratio: 1.08 Failed ⁵	Ratio: 1.16 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 1.37 Failed ⁵
Hex(2E374C)	Ratio: 1.44 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.23 Failed ⁵	Ratio: 1.16 Failed ⁵	Ratio: 1.08 Failed ⁵		Ratio: 1.08 Failed ⁵	Ratio: 1.17 Failed ⁵	Ratio: 1.27 Failed ⁵
Hex(353C4C)	Ratio: 1.55 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 1.16 Failed ⁵	Ratio: 1.08 Failed ⁵		Ratio: 1.08 Failed ⁵	Ratio: 1.18 Failed ⁵
Hex(3D414C)	Ratio: 1.68 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 1.17 Failed ⁵	Ratio: 1.08 Failed ⁵		Ratio: 1.09 Failed ⁵
Hex(44474C)	Ratio: 1.83 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.18 Failed ⁵	Ratio: 1.09 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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