

Converting Colors - WCAG Matrix

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

	Hex(020E80)	Hex(0F1980)	Hex(1C2580)	Hex(283180)	Hex(353C80)	Hex(424880)	Hex(4F5380)	Hex(5C5F80)	Hex(686B80)	Hex(757680)
Hex(020E80)		Ratio: 1.07 Failed ⁵	Ratio: 1.18 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.47 Failed ⁵	Ratio: 2.91 Failed ⁵	Ratio: 3.38 AA 18pt ²
Hex(0F1980)	Ratio: 1.07 Failed ⁵		Ratio: 1.11 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.31 Failed ⁵	Ratio: 2.72 Failed ⁵	Ratio: 3.17 AA 18pt ²
Hex(1C2580)	Ratio: 1.18 Failed ⁵	Ratio: 1.11 Failed ⁵		Ratio: 1.13 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.46 Failed ⁵	Ratio: 2.87 Failed ⁵
Hex(283180)	Ratio: 1.34 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 1.13 Failed ⁵		Ratio: 1.15 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 2.17 Failed ⁵	Ratio: 2.53 Failed ⁵
Hex(353C80)	Ratio: 1.53 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.15 Failed ⁵		Ratio: 1.17 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.21 Failed ⁵
Hex(424880)	Ratio: 1.79 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.17 Failed ⁵		Ratio: 1.17 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.89 Failed ⁵
Hex(4F5380)	Ratio: 2.09 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.17 Failed ⁵		Ratio: 1.18 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.62 Failed ⁵
Hex(5C5F80)	Ratio: 2.47 Failed ⁵	Ratio: 2.31 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.18 Failed ⁵		Ratio: 1.18 Failed ⁵	Ratio: 1.37 Failed ⁵
Hex(686B80)	Ratio: 2.91 Failed ⁵	Ratio: 2.72 Failed ⁵	Ratio: 2.46 Failed ⁵	Ratio: 2.17 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.18 Failed ⁵		Ratio: 1.16 Failed ⁵
Hex(757680)	Ratio: 3.38 AA 18pt ²	Ratio: 3.17 AA 18pt ²	Ratio: 2.87 Failed ⁵	Ratio: 2.53 Failed ⁵	Ratio: 2.21 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.16 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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