

Converting Colors - WCAG Matrix

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

	Hex(737499)	Hex(646599)	Hex(545699)	Hex(454799)	Hex(363899)	Hex(272A99)	Hex(171B99)	Hex(080C99)	Hex(000499)
Hex(737499)		Ratio: 1.21 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 2.15 Failed ⁵	Ratio: 2.50 Failed ⁵	Ratio: 2.84 Failed ⁵	Ratio: 3.08 AA 18pt ²	Ratio: 3.17 AA 18pt ²
Hex(646599)	Ratio: 1.21 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.34 Failed ⁵	Ratio: 2.54 Failed ⁵	Ratio: 2.61 Failed ⁵
Hex(545699)	Ratio: 1.48 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.14 Failed ⁵
Hex(454799)	Ratio: 1.79 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.77 Failed ⁵
Hex(363899)	Ratio: 2.15 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.16 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.48 Failed ⁵
Hex(272A99)	Ratio: 2.50 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.16 Failed ⁵		Ratio: 1.14 Failed ⁵	Ratio: 1.23 Failed ⁵	Ratio: 1.27 Failed ⁵
Hex(171B99)	Ratio: 2.84 Failed ⁵	Ratio: 2.34 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.14 Failed ⁵		Ratio: 1.09 Failed ⁵	Ratio: 1.12 Failed ⁵
Hex(080C99)	Ratio: 3.08 AA 18pt ²	Ratio: 2.54 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.23 Failed ⁵	Ratio: 1.09 Failed ⁵		Ratio: 1.03 Failed ⁵
Hex(000499)	Ratio: 3.17 AA 18pt ²	Ratio: 2.61 Failed ⁵	Ratio: 2.14 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.12 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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