

Converting Colors - WCAG Matrix

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

	Hex(001A96)	Hex(0F2696)	Hex(1E3396)	Hex(2D3F96)	Hex(3C4C96)	Hex(4B5896)	Hex(5A6496)	Hex(697196)	Hex(787D96)	Hex(878A96)
Hex(001A96)		Ratio: 1.09 Failed ⁵	Ratio: 1.24 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.33 Failed ⁵	Ratio: 2.77 Failed ⁵	Ratio: 3.26 AA 18pt ²	Ratio: 3.84 AA 18pt ²
Hex(0F2696)	Ratio: 1.09 Failed ⁵		Ratio: 1.13 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 2.13 Failed ⁵	Ratio: 2.53 Failed ⁵	Ratio: 2.98 Failed ⁵	Ratio: 3.51 AA 18pt ²
Hex(1E3396)	Ratio: 1.24 Failed ⁵	Ratio: 1.13 Failed ⁵		Ratio: 1.15 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 2.24 Failed ⁵	Ratio: 2.63 Failed ⁵	Ratio: 3.10 AA 18pt ²
Hex(2D3F96)	Ratio: 1.42 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.15 Failed ⁵		Ratio: 1.18 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.29 Failed ⁵	Ratio: 2.70 Failed ⁵
Hex(3C4C96)	Ratio: 1.68 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.18 Failed ⁵		Ratio: 1.18 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.29 Failed ⁵
Hex(4B5896)	Ratio: 1.97 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.18 Failed ⁵		Ratio: 1.18 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.95 Failed ⁵
Hex(5A6496)	Ratio: 2.33 Failed ⁵	Ratio: 2.13 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.18 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.65 Failed ⁵
Hex(697196)	Ratio: 2.77 Failed ⁵	Ratio: 2.53 Failed ⁵	Ratio: 2.24 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 1.17 Failed ⁵	Ratio: 1.39 Failed ⁵
Hex(787D96)	Ratio: 3.26 AA 18pt ²	Ratio: 2.98 Failed ⁵	Ratio: 2.63 Failed ⁵	Ratio: 2.29 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.17 Failed ⁵		Ratio: 1.18 Failed ⁵
Hex(878A96)	Ratio: 3.84 AA 18pt ²	Ratio: 3.51 AA 18pt ²	Ratio: 3.10 AA 18pt ²	Ratio: 2.70 Failed ⁵	Ratio: 2.29 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.18 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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