

Converting Colors - WCAG Matrix

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

	Hex(938A9F)	Hex(8A7A9F)	Hex(816A9F)	Hex(785A9F)	Hex(6F4A9F)	Hex(663A9F)	Hex(5C2B9F)	Hex(531B9F)	Hex(4A0B9F)	Hex(44009F)
Hex(938A9F)		Ratio: 1.19 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.39 Failed ⁵	Ratio: 2.77 Failed ⁵	Ratio: 3.15 AA 18pt ²	Ratio: 3.47 AA 18pt ²	Ratio: 3.65 AA 18pt ²
Hex(8A7A9F)	Ratio: 1.19 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.33 Failed ⁵	Ratio: 2.65 Failed ⁵	Ratio: 2.92 Failed ⁵	Ratio: 3.07 AA 18pt ²
Hex(816A9F)	Ratio: 1.42 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.22 Failed ⁵	Ratio: 2.44 Failed ⁵	Ratio: 2.57 Failed ⁵
Hex(785A9F)	Ratio: 1.70 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.15 Failed ⁵
Hex(6F4A9F)	Ratio: 2.02 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 1.18 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.81 Failed ⁵
Hex(663A9F)	Ratio: 2.39 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.18 Failed ⁵		Ratio: 1.16 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.53 Failed ⁵
Hex(5C2B9F)	Ratio: 2.77 Failed ⁵	Ratio: 2.33 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.16 Failed ⁵		Ratio: 1.14 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 1.32 Failed ⁵
Hex(531B9F)	Ratio: 3.15 AA 18pt ²	Ratio: 2.65 Failed ⁵	Ratio: 2.22 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.14 Failed ⁵		Ratio: 1.10 Failed ⁵	Ratio: 1.16 Failed ⁵
Hex(4A0B9F)	Ratio: 3.47 AA 18pt ²	Ratio: 2.92 Failed ⁵	Ratio: 2.44 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 1.10 Failed ⁵		Ratio: 1.05 Failed ⁵
Hex(44009F)	Ratio: 3.65 AA 18pt ²	Ratio: 3.07 AA 18pt ²	Ratio: 2.57 Failed ⁵	Ratio: 2.15 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.16 Failed ⁵	Ratio: 1.05 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.