

Converting Colors - WCAG Matrix

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

	Hex(490080)	Hex(4F0D80)	Hex(541A80)	Hex(5A2680)	Hex(5F3380)	Hex(654080)	Hex(6A4D80)	Hex(705A80)	Hex(756680)	Hex(7B7380)
Hex(490080)		Ratio: 1.07 Failed ⁵	Ratio: 1.15 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 2.17 Failed ⁵	Ratio: 2.49 Failed ⁵	Ratio: 2.89 Failed ⁵
Hex(4F0D80)	Ratio: 1.07 Failed ⁵		Ratio: 1.08 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.33 Failed ⁵	Ratio: 2.71 Failed ⁵
Hex(541A80)	Ratio: 1.15 Failed ⁵	Ratio: 1.08 Failed ⁵		Ratio: 1.10 Failed ⁵	Ratio: 1.24 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 2.16 Failed ⁵	Ratio: 2.51 Failed ⁵
Hex(5A2680)	Ratio: 1.27 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.10 Failed ⁵		Ratio: 1.12 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.28 Failed ⁵
Hex(5F3380)	Ratio: 1.42 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 1.24 Failed ⁵	Ratio: 1.12 Failed ⁵		Ratio: 1.14 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 2.03 Failed ⁵
Hex(654080)	Ratio: 1.63 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.14 Failed ⁵		Ratio: 1.15 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.77 Failed ⁵
Hex(6A4D80)	Ratio: 1.87 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.15 Failed ⁵		Ratio: 1.16 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 1.54 Failed ⁵
Hex(705A80)	Ratio: 2.17 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 1.16 Failed ⁵		Ratio: 1.15 Failed ⁵	Ratio: 1.33 Failed ⁵
Hex(756680)	Ratio: 2.49 Failed ⁵	Ratio: 2.33 Failed ⁵	Ratio: 2.16 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 1.15 Failed ⁵		Ratio: 1.16 Failed ⁵
Hex(7B7380)	Ratio: 2.89 Failed ⁵	Ratio: 2.71 Failed ⁵	Ratio: 2.51 Failed ⁵	Ratio: 2.28 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.33 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.