

Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.										
	Hex(80404B)	Hex(804D56)	Hex(805A60)	Hex(80666B)	Hex(807375)	Hex(808080)	Hex(808D8B)	Hex(809A95)	Hex(80A6A0)	Hex(80B3AA)
Hex(80404B)		Ratio: 1.13 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.22 Failed ⁵	Ratio: 2.53 Failed ⁵	Ratio: 2.86 Failed ⁵	Ratio: 3.25 AA 18pt ²
Hex(804D56)	Ratio: 1.13 Failed ⁵		Ratio: 1.14 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.24 Failed ⁵	Ratio: 2.53 Failed ⁵	Ratio: 2.87 Failed ⁵
Hex(805A60)	Ratio: 1.29 Failed ⁵	Ratio: 1.14 Failed ⁵		Ratio: 1.14 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.22 Failed ⁵	Ratio: 2.52 Failed ⁵
Hex(80666B)	Ratio: 1.46 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 1.14 Failed ⁵		Ratio: 1.15 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.22 Failed ⁵
Hex(807375)	Ratio: 1.68 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.15 Failed ⁵		Ratio: 1.15 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.93 Failed ⁵
Hex(808080)	Ratio: 1.93 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.15 Failed ⁵		Ratio: 1.15 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.68 Failed ⁵
Hex(808D8B)	Ratio: 2.22 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.15 Failed ⁵		Ratio: 1.14 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 1.47 Failed ⁵
Hex(809A95)	Ratio: 2.53 Failed ⁵	Ratio: 2.24 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.14 Failed ⁵		Ratio: 1.13 Failed ⁵	Ratio: 1.28 Failed ⁵
Hex(80A6A0)	Ratio: 2.86 Failed ⁵	Ratio: 2.53 Failed ⁵	Ratio: 2.22 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 1.13 Failed ⁵		Ratio: 1.14 Failed ⁵
Hex(80B3AA)	Ratio: 3.25 AA 18pt ²	Ratio: 2.87 Failed ⁵	Ratio: 2.52 Failed ⁵	Ratio: 2.22 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.14 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.