

Converting Colors - WCAG Matrix

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

	Hex(874264)	Hex(87506B)	Hex(875D72)	Hex(876B79)	Hex(877880)	Hex(878686)	Hex(87938D)	Hex(87A194)	Hex(87AE9B)	Hex(87BCA2)
Hex(874264)		Ratio: 1.13 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.20 Failed ⁵	Ratio: 2.52 Failed ⁵	Ratio: 2.86 Failed ⁵	Ratio: 3.26 AA 18pt ²
Hex(87506B)	Ratio: 1.13 Failed ⁵		Ratio: 1.13 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.23 Failed ⁵	Ratio: 2.52 Failed ⁵	Ratio: 2.87 Failed ⁵
Hex(875D72)	Ratio: 1.28 Failed ⁵	Ratio: 1.13 Failed ⁵		Ratio: 1.15 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.23 Failed ⁵	Ratio: 2.54 Failed ⁵
Hex(876B79)	Ratio: 1.47 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.15 Failed ⁵		Ratio: 1.14 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.21 Failed ⁵
Hex(877880)	Ratio: 1.68 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.14 Failed ⁵		Ratio: 1.15 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.94 Failed ⁵
Hex(878686)	Ratio: 1.93 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.15 Failed ⁵		Ratio: 1.14 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.68 Failed ⁵
Hex(87938D)	Ratio: 2.20 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.14 Failed ⁵		Ratio: 1.15 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.48 Failed ⁵
Hex(87A194)	Ratio: 2.52 Failed ⁵	Ratio: 2.23 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.15 Failed ⁵		Ratio: 1.13 Failed ⁵	Ratio: 1.29 Failed ⁵
Hex(87AE9B)	Ratio: 2.86 Failed ⁵	Ratio: 2.52 Failed ⁵	Ratio: 2.23 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.13 Failed ⁵		Ratio: 1.14 Failed ⁵
Hex(87BCA2)	Ratio: 3.26 AA 18pt ²	Ratio: 2.87 Failed ⁵	Ratio: 2.54 Failed ⁵	Ratio: 2.21 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.29 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.

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