

Converting Colors - WCAG Matrix

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

	Hex(874F45)	Hex(875B53)	Hex(876660)	Hex(87726E)	Hex(877D7B)	Hex(878989)	Hex(879496)	Hex(87A0A4)	Hex(87ABB1)	Hex(87B6BF)
Hex(874F45)		Ratio: 1.13 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.35 Failed ⁵	Ratio: 2.62 Failed ⁵	Ratio: 2.93 Failed ⁵
Hex(875B53)	Ratio: 1.13 Failed ⁵		Ratio: 1.12 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.33 Failed ⁵	Ratio: 2.59 Failed ⁵
Hex(876660)	Ratio: 1.27 Failed ⁵	Ratio: 1.12 Failed ⁵		Ratio: 1.14 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.31 Failed ⁵
Hex(87726E)	Ratio: 1.44 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.14 Failed ⁵		Ratio: 1.13 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 2.03 Failed ⁵
Hex(877D7B)	Ratio: 1.62 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.13 Failed ⁵		Ratio: 1.14 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.80 Failed ⁵
Hex(878989)	Ratio: 1.85 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.14 Failed ⁵		Ratio: 1.12 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.59 Failed ⁵
Hex(879496)	Ratio: 2.07 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.12 Failed ⁵		Ratio: 1.13 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.41 Failed ⁵
Hex(87A0A4)	Ratio: 2.35 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.13 Failed ⁵		Ratio: 1.12 Failed ⁵	Ratio: 1.25 Failed ⁵
Hex(87ABB1)	Ratio: 2.62 Failed ⁵	Ratio: 2.33 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.12 Failed ⁵		Ratio: 1.12 Failed ⁵
Hex(87B6BF)	Ratio: 2.93 Failed ⁵	Ratio: 2.59 Failed ⁵	Ratio: 2.31 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 1.12 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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