

Converting Colors - WCAG Matrix

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

	Hex(777170)	Hex(777B7C)	Hex(778588)	Hex(779094)	Hex(779AA0)	Hex(77A4AB)	Hex(77AEB7)	Hex(77B8C3)	Hex(77C3CF)	Hex(77CDDb)
Hex(777170)		Ratio: 1.12 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.15 Failed ⁵	Ratio: 2.40 Failed ⁵	Ratio: 2.63 Failed ⁵
Hex(777B7C)	Ratio: 1.12 Failed ⁵		Ratio: 1.12 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 2.14 Failed ⁵	Ratio: 2.35 Failed ⁵
Hex(778588)	Ratio: 1.25 Failed ⁵	Ratio: 1.12 Failed ⁵		Ratio: 1.13 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 2.10 Failed ⁵
Hex(779094)	Ratio: 1.42 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.13 Failed ⁵		Ratio: 1.11 Failed ⁵	Ratio: 1.24 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.86 Failed ⁵
Hex(779AA0)	Ratio: 1.58 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.11 Failed ⁵		Ratio: 1.11 Failed ⁵	Ratio: 1.23 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.67 Failed ⁵
Hex(77A4AB)	Ratio: 1.75 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.24 Failed ⁵	Ratio: 1.11 Failed ⁵		Ratio: 1.11 Failed ⁵	Ratio: 1.23 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.50 Failed ⁵
Hex(77AEB7)	Ratio: 1.95 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.23 Failed ⁵	Ratio: 1.11 Failed ⁵		Ratio: 1.11 Failed ⁵	Ratio: 1.23 Failed ⁵	Ratio: 1.35 Failed ⁵
Hex(77B8C3)	Ratio: 2.15 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.23 Failed ⁵	Ratio: 1.11 Failed ⁵		Ratio: 1.11 Failed ⁵	Ratio: 1.22 Failed ⁵
Hex(77C3CF)	Ratio: 2.40 Failed ⁵	Ratio: 2.14 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.23 Failed ⁵	Ratio: 1.11 Failed ⁵		Ratio: 1.10 Failed ⁵
Hex(77CDDb)	Ratio: 2.63 Failed ⁵	Ratio: 2.35 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.22 Failed ⁵	Ratio: 1.10 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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