

Converting Colors - WCAG Matrix

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

	Hex(562281)	Hex(5C2F81)	Hex(623C81)	Hex(684981)	Hex(6E5681)	Hex(736381)	Hex(797081)	Hex(7F7D81)	Hex(858981)	Hex(8B9681)
Hex(562281)		Ratio: 1.12 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.29 Failed ⁵	Ratio: 2.65 Failed ⁵	Ratio: 3.04 AA 18pt ²	Ratio: 3.49 AA 18pt ²
Hex(5C2F81)	Ratio: 1.12 Failed ⁵		Ratio: 1.14 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.37 Failed ⁵	Ratio: 2.70 Failed ⁵	Ratio: 3.11 AA 18pt ²
Hex(623C81)	Ratio: 1.28 Failed ⁵	Ratio: 1.14 Failed ⁵		Ratio: 1.15 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.37 Failed ⁵	Ratio: 2.73 Failed ⁵
Hex(684981)	Ratio: 1.47 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.15 Failed ⁵		Ratio: 1.16 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.37 Failed ⁵
Hex(6E5681)	Ratio: 1.71 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 1.16 Failed ⁵		Ratio: 1.16 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 2.05 Failed ⁵
Hex(736381)	Ratio: 1.97 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.16 Failed ⁵		Ratio: 1.16 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.77 Failed ⁵
Hex(797081)	Ratio: 2.29 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.16 Failed ⁵		Ratio: 1.16 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.52 Failed ⁵
Hex(7F7D81)	Ratio: 2.65 Failed ⁵	Ratio: 2.37 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.16 Failed ⁵		Ratio: 1.14 Failed ⁵	Ratio: 1.32 Failed ⁵
Hex(858981)	Ratio: 3.04 AA 18pt ²	Ratio: 2.70 Failed ⁵	Ratio: 2.37 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.14 Failed ⁵		Ratio: 1.15 Failed ⁵
Hex(8B9681)	Ratio: 3.49 AA 18pt ²	Ratio: 3.11 AA 18pt ²	Ratio: 2.73 Failed ⁵	Ratio: 2.37 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.15 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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