

# Converting Colors - WCAG Matrix

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

	Hex(477280)	Hex(547580)	Hex(617880)	Hex(6D7B80)	Hex(7A7F80)	Hex(878280)	Hex(948580)	Hex(A18880)	Hex(AD8B80)	Hex(BA8E80)
Hex(477280)		Ratio: 1.06 Failed <sup>5</sup>	Ratio: 1.13 Failed <sup>5</sup>	Ratio: 1.20 Failed <sup>5</sup>	Ratio: 1.30 Failed <sup>5</sup>	Ratio: 1.39 Failed <sup>5</sup>	Ratio: 1.49 Failed <sup>5</sup>	Ratio: 1.59 Failed <sup>5</sup>	Ratio: 1.70 Failed <sup>5</sup>	Ratio: 1.82 Failed <sup>5</sup>
Hex(547580)	Ratio: 1.06 Failed <sup>5</sup>		Ratio: 1.06 Failed <sup>5</sup>	Ratio: 1.13 Failed <sup>5</sup>	Ratio: 1.22 Failed <sup>5</sup>	Ratio: 1.31 Failed <sup>5</sup>	Ratio: 1.40 Failed <sup>5</sup>	Ratio: 1.50 Failed <sup>5</sup>	Ratio: 1.60 Failed <sup>5</sup>	Ratio: 1.72 Failed <sup>5</sup>
Hex(617880)	Ratio: 1.13 Failed <sup>5</sup>	Ratio: 1.06 Failed <sup>5</sup>		Ratio: 1.06 Failed <sup>5</sup>	Ratio: 1.15 Failed <sup>5</sup>	Ratio: 1.23 Failed <sup>5</sup>	Ratio: 1.31 Failed <sup>5</sup>	Ratio: 1.41 Failed <sup>5</sup>	Ratio: 1.50 Failed <sup>5</sup>	Ratio: 1.61 Failed <sup>5</sup>
Hex(6D7B80)	Ratio: 1.20 Failed <sup>5</sup>	Ratio: 1.13 Failed <sup>5</sup>	Ratio: 1.06 Failed <sup>5</sup>		Ratio: 1.08 Failed <sup>5</sup>	Ratio: 1.15 Failed <sup>5</sup>	Ratio: 1.24 Failed <sup>5</sup>	Ratio: 1.32 Failed <sup>5</sup>	Ratio: 1.41 Failed <sup>5</sup>	Ratio: 1.52 Failed <sup>5</sup>
Hex(7A7F80)	Ratio: 1.30 Failed <sup>5</sup>	Ratio: 1.22 Failed <sup>5</sup>	Ratio: 1.15 Failed <sup>5</sup>	Ratio: 1.08 Failed <sup>5</sup>		Ratio: 1.07 Failed <sup>5</sup>	Ratio: 1.15 Failed <sup>5</sup>	Ratio: 1.23 Failed <sup>5</sup>	Ratio: 1.31 Failed <sup>5</sup>	Ratio: 1.40 Failed <sup>5</sup>
Hex(878280)	Ratio: 1.39 Failed <sup>5</sup>	Ratio: 1.31 Failed <sup>5</sup>	Ratio: 1.23 Failed <sup>5</sup>	Ratio: 1.15 Failed <sup>5</sup>	Ratio: 1.07 Failed <sup>5</sup>		Ratio: 1.07 Failed <sup>5</sup>	Ratio: 1.15 Failed <sup>5</sup>	Ratio: 1.23 Failed <sup>5</sup>	Ratio: 1.31 Failed <sup>5</sup>
Hex(948580)	Ratio: 1.49 Failed <sup>5</sup>	Ratio: 1.40 Failed <sup>5</sup>	Ratio: 1.31 Failed <sup>5</sup>	Ratio: 1.24 Failed <sup>5</sup>	Ratio: 1.15 Failed <sup>5</sup>	Ratio: 1.07 Failed <sup>5</sup>		Ratio: 1.07 Failed <sup>5</sup>	Ratio: 1.14 Failed <sup>5</sup>	Ratio: 1.23 Failed <sup>5</sup>
Hex(A18880)	Ratio: 1.59 Failed <sup>5</sup>	Ratio: 1.50 Failed <sup>5</sup>	Ratio: 1.41 Failed <sup>5</sup>	Ratio: 1.32 Failed <sup>5</sup>	Ratio: 1.23 Failed <sup>5</sup>	Ratio: 1.15 Failed <sup>5</sup>	Ratio: 1.07 Failed <sup>5</sup>		Ratio: 1.07 Failed <sup>5</sup>	Ratio: 1.14 Failed <sup>5</sup>
Hex(AD8B80)	Ratio: 1.70 Failed <sup>5</sup>	Ratio: 1.60 Failed <sup>5</sup>	Ratio: 1.50 Failed <sup>5</sup>	Ratio: 1.41 Failed <sup>5</sup>	Ratio: 1.31 Failed <sup>5</sup>	Ratio: 1.23 Failed <sup>5</sup>	Ratio: 1.14 Failed <sup>5</sup>	Ratio: 1.07 Failed <sup>5</sup>		Ratio: 1.07 Failed <sup>5</sup>
Hex(BA8E80)	Ratio: 1.82 Failed <sup>5</sup>	Ratio: 1.72 Failed <sup>5</sup>	Ratio: 1.61 Failed <sup>5</sup>	Ratio: 1.52 Failed <sup>5</sup>	Ratio: 1.40 Failed <sup>5</sup>	Ratio: 1.31 Failed <sup>5</sup>	Ratio: 1.23 Failed <sup>5</sup>	Ratio: 1.14 Failed <sup>5</sup>	Ratio: 1.07 Failed <sup>5</sup>	

Details can be found at <https://www.w3.org/TR/WCAG20/>.

<sup>1</sup> AA

AA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for any text size.

<sup>2</sup> AA 18pt

AA level for large text above 18pt.

<sup>3</sup> AAA

AAA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for any text size.

<sup>4</sup> AAA 18pt

AAA level for large text above 18pt.

<sup>5</sup> Failed

Fails to comply with the Web Content Accessibility Guidelines (WCAG) 2.0.

<sup>6</sup> Passed

Passes the AAA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for all text sizes.

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