

# Converting Colors - WCAG Matrix

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

	Hex(7A7D00)	Hex(7A7D0C)	Hex(7B7D19)	Hex(7B7D26)	Hex(7B7D32)	Hex(7C7D3F)	Hex(7C7D4B)	Hex(7C7D57)	Hex(7C7D64)	Hex(7D7D71)
Hex(7A7D00)		Ratio: 1.00 Failed <sup>5</sup>	Ratio: 1.01 Failed <sup>5</sup>	Ratio: 1.01 Failed <sup>5</sup>	Ratio: 1.01 Failed <sup>5</sup>	Ratio: 1.02 Failed <sup>5</sup>	Ratio: 1.03 Failed <sup>5</sup>	Ratio: 1.04 Failed <sup>5</sup>	Ratio: 1.04 Failed <sup>5</sup>	Ratio: 1.06 Failed <sup>5</sup>
Hex(7A7D0C)	Ratio: 1.00 Failed <sup>5</sup>		Ratio: 1.00 Failed <sup>5</sup>	Ratio: 1.01 Failed <sup>5</sup>	Ratio: 1.01 Failed <sup>5</sup>	Ratio: 1.02 Failed <sup>5</sup>	Ratio: 1.03 Failed <sup>5</sup>	Ratio: 1.03 Failed <sup>5</sup>	Ratio: 1.04 Failed <sup>5</sup>	Ratio: 1.06 Failed <sup>5</sup>
Hex(7B7D19)	Ratio: 1.01 Failed <sup>5</sup>	Ratio: 1.00 Failed <sup>5</sup>		Ratio: 1.00 Failed <sup>5</sup>	Ratio: 1.01 Failed <sup>5</sup>	Ratio: 1.02 Failed <sup>5</sup>	Ratio: 1.02 Failed <sup>5</sup>	Ratio: 1.03 Failed <sup>5</sup>	Ratio: 1.04 Failed <sup>5</sup>	Ratio: 1.05 Failed <sup>5</sup>
Hex(7B7D26)	Ratio: 1.01 Failed <sup>5</sup>	Ratio: 1.01 Failed <sup>5</sup>	Ratio: 1.00 Failed <sup>5</sup>		Ratio: 1.00 Failed <sup>5</sup>	Ratio: 1.01 Failed <sup>5</sup>	Ratio: 1.02 Failed <sup>5</sup>	Ratio: 1.03 Failed <sup>5</sup>	Ratio: 1.04 Failed <sup>5</sup>	Ratio: 1.05 Failed <sup>5</sup>
Hex(7B7D32)	Ratio: 1.01 Failed <sup>5</sup>	Ratio: 1.01 Failed <sup>5</sup>	Ratio: 1.01 Failed <sup>5</sup>	Ratio: 1.02 Failed <sup>5</sup>		Ratio: 1.01 Failed <sup>5</sup>	Ratio: 1.01 Failed <sup>5</sup>	Ratio: 1.02 Failed <sup>5</sup>	Ratio: 1.03 Failed <sup>5</sup>	Ratio: 1.05 Failed <sup>5</sup>
Hex(7C7D3F)	Ratio: 1.02 Failed <sup>5</sup>	Ratio: 1.02 Failed <sup>5</sup>	Ratio: 1.02 Failed <sup>5</sup>	Ratio: 1.01 Failed <sup>5</sup>	Ratio: 1.01 Failed <sup>5</sup>		Ratio: 1.01 Failed <sup>5</sup>	Ratio: 1.01 Failed <sup>5</sup>	Ratio: 1.02 Failed <sup>5</sup>	Ratio: 1.04 Failed <sup>5</sup>
Hex(7C7D4B)	Ratio: 1.03 Failed <sup>5</sup>	Ratio: 1.03 Failed <sup>5</sup>	Ratio: 1.02 Failed <sup>5</sup>	Ratio: 1.02 Failed <sup>5</sup>	Ratio: 1.01 Failed <sup>5</sup>	Ratio: 1.01 Failed <sup>5</sup>		Ratio: 1.01 Failed <sup>5</sup>	Ratio: 1.02 Failed <sup>5</sup>	Ratio: 1.03 Failed <sup>5</sup>
Hex(7C7D57)	Ratio: 1.04 Failed <sup>5</sup>	Ratio: 1.03 Failed <sup>5</sup>	Ratio: 1.03 Failed <sup>5</sup>	Ratio: 1.03 Failed <sup>5</sup>	Ratio: 1.02 Failed <sup>5</sup>	Ratio: 1.01 Failed <sup>5</sup>	Ratio: 1.01 Failed <sup>5</sup>		Ratio: 1.01 Failed <sup>5</sup>	Ratio: 1.02 Failed <sup>5</sup>
Hex(7C7D64)	Ratio: 1.04 Failed <sup>5</sup>	Ratio: 1.04 Failed <sup>5</sup>	Ratio: 1.04 Failed <sup>5</sup>	Ratio: 1.04 Failed <sup>5</sup>	Ratio: 1.03 Failed <sup>5</sup>	Ratio: 1.02 Failed <sup>5</sup>	Ratio: 1.02 Failed <sup>5</sup>	Ratio: 1.01 Failed <sup>5</sup>		Ratio: 1.01 Failed <sup>5</sup>
Hex(7D7D71)	Ratio: 1.06 Failed <sup>5</sup>	Ratio: 1.06 Failed <sup>5</sup>	Ratio: 1.05 Failed <sup>5</sup>	Ratio: 1.05 Failed <sup>5</sup>	Ratio: 1.05 Failed <sup>5</sup>	Ratio: 1.04 Failed <sup>5</sup>	Ratio: 1.03 Failed <sup>5</sup>	Ratio: 1.02 Failed <sup>5</sup>	Ratio: 1.01 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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