

# Converting Colors - WCAG Matrix

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

	Hex(7D7C85)	Hex(898A85)	Hex(959785)	Hex(A1A485)	Hex(ADB185)	Hex(B9BF85)	Hex(C4CC85)	Hex(D0D985)	Hex(DCE785)	Hex(E8F485)
Hex(7D7C85)		Ratio: 1.19 Failed <sup>5</sup>	Ratio: 1.38 Failed <sup>5</sup>	Ratio: 1.60 Failed <sup>5</sup>	Ratio: 1.85 Failed <sup>5</sup>	Ratio: 2.13 Failed <sup>5</sup>	Ratio: 2.42 Failed <sup>5</sup>	Ratio: 2.74 Failed <sup>5</sup>	Ratio: 3.10 AA 18pt <sup>2</sup>	Ratio: 3.48 AA 18pt <sup>2</sup>
Hex(898A85)	Ratio: 1.19 Failed <sup>5</sup>		Ratio: 1.17 Failed <sup>5</sup>	Ratio: 1.35 Failed <sup>5</sup>	Ratio: 1.56 Failed <sup>5</sup>	Ratio: 1.80 Failed <sup>5</sup>	Ratio: 2.04 Failed <sup>5</sup>	Ratio: 2.31 Failed <sup>5</sup>	Ratio: 2.62 Failed <sup>5</sup>	Ratio: 2.93 Failed <sup>5</sup>
Hex(959785)	Ratio: 1.38 Failed <sup>5</sup>	Ratio: 1.17 Failed <sup>5</sup>		Ratio: 1.16 Failed <sup>5</sup>	Ratio: 1.34 Failed <sup>5</sup>	Ratio: 1.54 Failed <sup>5</sup>	Ratio: 1.75 Failed <sup>5</sup>	Ratio: 1.98 Failed <sup>5</sup>	Ratio: 2.25 Failed <sup>5</sup>	Ratio: 2.51 Failed <sup>5</sup>
Hex(A1A485)	Ratio: 1.60 Failed <sup>5</sup>	Ratio: 1.35 Failed <sup>5</sup>	Ratio: 1.16 Failed <sup>5</sup>		Ratio: 1.15 Failed <sup>5</sup>	Ratio: 1.33 Failed <sup>5</sup>	Ratio: 1.51 Failed <sup>5</sup>	Ratio: 1.71 Failed <sup>5</sup>	Ratio: 1.94 Failed <sup>5</sup>	Ratio: 2.17 Failed <sup>5</sup>
Hex(ADB185)	Ratio: 1.85 Failed <sup>5</sup>	Ratio: 1.56 Failed <sup>5</sup>	Ratio: 1.34 Failed <sup>5</sup>	Ratio: 1.15 Failed <sup>5</sup>		Ratio: 1.15 Failed <sup>5</sup>	Ratio: 1.31 Failed <sup>5</sup>	Ratio: 1.48 Failed <sup>5</sup>	Ratio: 1.68 Failed <sup>5</sup>	Ratio: 1.88 Failed <sup>5</sup>
Hex(B9BF85)	Ratio: 2.13 Failed <sup>5</sup>	Ratio: 1.80 Failed <sup>5</sup>	Ratio: 1.54 Failed <sup>5</sup>	Ratio: 1.33 Failed <sup>5</sup>	Ratio: 1.15 Failed <sup>5</sup>		Ratio: 1.14 Failed <sup>5</sup>	Ratio: 1.28 Failed <sup>5</sup>	Ratio: 1.46 Failed <sup>5</sup>	Ratio: 1.63 Failed <sup>5</sup>
Hex(C4CC85)	Ratio: 2.42 Failed <sup>5</sup>	Ratio: 2.04 Failed <sup>5</sup>	Ratio: 1.75 Failed <sup>5</sup>	Ratio: 1.51 Failed <sup>5</sup>	Ratio: 1.31 Failed <sup>5</sup>	Ratio: 1.14 Failed <sup>5</sup>		Ratio: 1.13 Failed <sup>5</sup>	Ratio: 1.28 Failed <sup>5</sup>	Ratio: 1.44 Failed <sup>5</sup>
Hex(D0D985)	Ratio: 2.74 Failed <sup>5</sup>	Ratio: 2.31 Failed <sup>5</sup>	Ratio: 1.98 Failed <sup>5</sup>	Ratio: 1.71 Failed <sup>5</sup>	Ratio: 1.48 Failed <sup>5</sup>	Ratio: 1.28 Failed <sup>5</sup>	Ratio: 1.13 Failed <sup>5</sup>		Ratio: 1.13 Failed <sup>5</sup>	Ratio: 1.27 Failed <sup>5</sup>
Hex(DCE785)	Ratio: 3.10 AA 18pt <sup>2</sup>	Ratio: 2.62 Failed <sup>5</sup>	Ratio: 2.25 Failed <sup>5</sup>	Ratio: 1.94 Failed <sup>5</sup>	Ratio: 1.68 Failed <sup>5</sup>	Ratio: 1.46 Failed <sup>5</sup>	Ratio: 1.28 Failed <sup>5</sup>	Ratio: 1.13 Failed <sup>5</sup>		Ratio: 1.12 Failed <sup>5</sup>
Hex(E8F485)	Ratio: 3.48 AA 18pt <sup>2</sup>	Ratio: 2.93 Failed <sup>5</sup>	Ratio: 2.51 Failed <sup>5</sup>	Ratio: 2.17 Failed <sup>5</sup>	Ratio: 1.88 Failed <sup>5</sup>	Ratio: 1.63 Failed <sup>5</sup>	Ratio: 1.44 Failed <sup>5</sup>	Ratio: 1.27 Failed <sup>5</sup>	Ratio: 1.12 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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