

# Converting Colors - WCAG Matrix

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

	Hex(8F70AC)	Hex(9882AC)	Hex(A093AC)	Hex(A8A4AC)	Hex(B1B5AC)	Hex(B9C7AC)	Hex(C1D8AC)	Hex(CAE9AC)	Hex(D2FAAC)	Hex(DAFFAC)
Hex(8F70AC)		Ratio: 1.21 Failed <sup>5</sup>	Ratio: 1.43 Failed <sup>5</sup>	Ratio: 1.69 Failed <sup>5</sup>	Ratio: 1.98 Failed <sup>5</sup>	Ratio: 2.33 Failed <sup>5</sup>	Ratio: 2.69 Failed <sup>5</sup>	Ratio: 3.10 AA 18pt <sup>2</sup>	Ratio: 3.54 AA 18pt <sup>2</sup>	Ratio: 3.72 AA 18pt <sup>2</sup>
Hex(9882AC)	Ratio: 1.21 Failed <sup>5</sup>		Ratio: 1.19 Failed <sup>5</sup>	Ratio: 1.40 Failed <sup>5</sup>	Ratio: 1.65 Failed <sup>5</sup>	Ratio: 1.93 Failed <sup>5</sup>	Ratio: 2.23 Failed <sup>5</sup>	Ratio: 2.57 Failed <sup>5</sup>	Ratio: 2.94 Failed <sup>5</sup>	Ratio: 3.08 AA 18pt <sup>2</sup>
Hex(A093AC)	Ratio: 1.43 Failed <sup>5</sup>	Ratio: 1.19 Failed <sup>5</sup>		Ratio: 1.18 Failed <sup>5</sup>	Ratio: 1.39 Failed <sup>5</sup>	Ratio: 1.63 Failed <sup>5</sup>	Ratio: 1.88 Failed <sup>5</sup>	Ratio: 2.17 Failed <sup>5</sup>	Ratio: 2.48 Failed <sup>5</sup>	Ratio: 2.60 Failed <sup>5</sup>
Hex(A8A4AC)	Ratio: 1.69 Failed <sup>5</sup>	Ratio: 1.40 Failed <sup>5</sup>	Ratio: 1.18 Failed <sup>5</sup>		Ratio: 1.18 Failed <sup>5</sup>	Ratio: 1.38 Failed <sup>5</sup>	Ratio: 1.60 Failed <sup>5</sup>	Ratio: 1.84 Failed <sup>5</sup>	Ratio: 2.10 Failed <sup>5</sup>	Ratio: 2.20 Failed <sup>5</sup>
Hex(B1B5AC)	Ratio: 1.98 Failed <sup>5</sup>	Ratio: 1.65 Failed <sup>5</sup>	Ratio: 1.39 Failed <sup>5</sup>	Ratio: 1.18 Failed <sup>5</sup>		Ratio: 1.17 Failed <sup>5</sup>	Ratio: 1.36 Failed <sup>5</sup>	Ratio: 1.56 Failed <sup>5</sup>	Ratio: 1.79 Failed <sup>5</sup>	Ratio: 1.87 Failed <sup>5</sup>
Hex(B9C7AC)	Ratio: 2.33 Failed <sup>5</sup>	Ratio: 1.93 Failed <sup>5</sup>	Ratio: 1.63 Failed <sup>5</sup>	Ratio: 1.38 Failed <sup>5</sup>	Ratio: 1.17 Failed <sup>5</sup>		Ratio: 1.16 Failed <sup>5</sup>	Ratio: 1.33 Failed <sup>5</sup>	Ratio: 1.52 Failed <sup>5</sup>	Ratio: 1.60 Failed <sup>5</sup>
Hex(C1D8AC)	Ratio: 2.69 Failed <sup>5</sup>	Ratio: 2.23 Failed <sup>5</sup>	Ratio: 1.88 Failed <sup>5</sup>	Ratio: 1.60 Failed <sup>5</sup>	Ratio: 1.36 Failed <sup>5</sup>	Ratio: 1.16 Failed <sup>5</sup>		Ratio: 1.15 Failed <sup>5</sup>	Ratio: 1.32 Failed <sup>5</sup>	Ratio: 1.38 Failed <sup>5</sup>
Hex(CAE9AC)	Ratio: 3.10 AA 18pt <sup>2</sup>	Ratio: 2.57 Failed <sup>5</sup>	Ratio: 2.17 Failed <sup>5</sup>	Ratio: 1.84 Failed <sup>5</sup>	Ratio: 1.56 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: 1.20 Failed <sup>5</sup>
Hex(D2FAAC)	Ratio: 3.54 AA 18pt <sup>2</sup>	Ratio: 2.94 Failed <sup>5</sup>	Ratio: 2.48 Failed <sup>5</sup>	Ratio: 2.10 Failed <sup>5</sup>	Ratio: 1.79 Failed <sup>5</sup>	Ratio: 1.52 Failed <sup>5</sup>	Ratio: 1.32 Failed <sup>5</sup>	Ratio: 1.14 Failed <sup>5</sup>		Ratio: 1.05 Failed <sup>5</sup>
Hex(DAFFAC)	Ratio: 3.72 AA 18pt <sup>2</sup>	Ratio: 3.08 AA 18pt <sup>2</sup>	Ratio: 2.60 Failed <sup>5</sup>	Ratio: 2.20 Failed <sup>5</sup>	Ratio: 1.87 Failed <sup>5</sup>	Ratio: 1.60 Failed <sup>5</sup>	Ratio: 1.38 Failed <sup>5</sup>	Ratio: 1.20 Failed <sup>5</sup>	Ratio: 1.05 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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