

# Converting Colors - WCAG Matrix

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

	Hex(8F7F89)	Hex(8F8E8F)	Hex(8F9C94)	Hex(8FAA9A)	Hex(8FB9A0)	Hex(8FC7A5)	Hex(8FD5AB)	Hex(8FE4B1)	Hex(8FF2B6)	Hex(8FFFBC)
Hex(8F7F89)		Ratio: 1.16 Failed <sup>5</sup>	Ratio: 1.32 Failed <sup>5</sup>	Ratio: 1.51 Failed <sup>5</sup>	Ratio: 1.73 Failed <sup>5</sup>	Ratio: 1.96 Failed <sup>5</sup>	Ratio: 2.21 Failed <sup>5</sup>	Ratio: 2.50 Failed <sup>5</sup>	Ratio: 2.79 Failed <sup>5</sup>	Ratio: 3.09 AA 18pt <sup>2</sup>
Hex(8F8E8F)	Ratio: 1.16 Failed <sup>5</sup>		Ratio: 1.14 Failed <sup>5</sup>	Ratio: 1.30 Failed <sup>5</sup>	Ratio: 1.49 Failed <sup>5</sup>	Ratio: 1.69 Failed <sup>5</sup>	Ratio: 1.91 Failed <sup>5</sup>	Ratio: 2.16 Failed <sup>5</sup>	Ratio: 2.42 Failed <sup>5</sup>	Ratio: 2.67 Failed <sup>5</sup>
Hex(8F9C94)	Ratio: 1.32 Failed <sup>5</sup>	Ratio: 1.14 Failed <sup>5</sup>		Ratio: 1.14 Failed <sup>5</sup>	Ratio: 1.31 Failed <sup>5</sup>	Ratio: 1.48 Failed <sup>5</sup>	Ratio: 1.67 Failed <sup>5</sup>	Ratio: 1.89 Failed <sup>5</sup>	Ratio: 2.11 Failed <sup>5</sup>	Ratio: 2.34 Failed <sup>5</sup>
Hex(8FAA9A)	Ratio: 1.51 Failed <sup>5</sup>	Ratio: 1.30 Failed <sup>5</sup>	Ratio: 1.14 Failed <sup>5</sup>		Ratio: 1.15 Failed <sup>5</sup>	Ratio: 1.30 Failed <sup>5</sup>	Ratio: 1.46 Failed <sup>5</sup>	Ratio: 1.66 Failed <sup>5</sup>	Ratio: 1.85 Failed <sup>5</sup>	Ratio: 2.05 Failed <sup>5</sup>
Hex(8FB9A0)	Ratio: 1.73 Failed <sup>5</sup>	Ratio: 1.49 Failed <sup>5</sup>	Ratio: 1.31 Failed <sup>5</sup>	Ratio: 1.15 Failed <sup>5</sup>		Ratio: 1.13 Failed <sup>5</sup>	Ratio: 1.28 Failed <sup>5</sup>	Ratio: 1.45 Failed <sup>5</sup>	Ratio: 1.62 Failed <sup>5</sup>	Ratio: 1.79 Failed <sup>5</sup>
Hex(8FC7A5)	Ratio: 1.96 Failed <sup>5</sup>	Ratio: 1.69 Failed <sup>5</sup>	Ratio: 1.48 Failed <sup>5</sup>	Ratio: 1.30 Failed <sup>5</sup>	Ratio: 1.13 Failed <sup>5</sup>		Ratio: 1.13 Failed <sup>5</sup>	Ratio: 1.28 Failed <sup>5</sup>	Ratio: 1.43 Failed <sup>5</sup>	Ratio: 1.58 Failed <sup>5</sup>
Hex(8FD5AB)	Ratio: 2.21 Failed <sup>5</sup>	Ratio: 1.91 Failed <sup>5</sup>	Ratio: 1.67 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: 1.13 Failed <sup>5</sup>	Ratio: 1.27 Failed <sup>5</sup>	Ratio: 1.40 Failed <sup>5</sup>
Hex(8FE4B1)	Ratio: 2.50 Failed <sup>5</sup>	Ratio: 2.16 Failed <sup>5</sup>	Ratio: 1.89 Failed <sup>5</sup>	Ratio: 1.66 Failed <sup>5</sup>	Ratio: 1.45 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>	Ratio: 1.24 Failed <sup>5</sup>
Hex(8FF2B6)	Ratio: 2.79 Failed <sup>5</sup>	Ratio: 2.42 Failed <sup>5</sup>	Ratio: 2.11 Failed <sup>5</sup>	Ratio: 1.85 Failed <sup>5</sup>	Ratio: 1.62 Failed <sup>5</sup>	Ratio: 1.43 Failed <sup>5</sup>	Ratio: 1.27 Failed <sup>5</sup>	Ratio: 1.12 Failed <sup>5</sup>		Ratio: 1.11 Failed <sup>5</sup>
Hex(8FFFBC)	Ratio: 3.09 AA 18pt <sup>2</sup>	Ratio: 2.67 Failed <sup>5</sup>	Ratio: 2.34 Failed <sup>5</sup>	Ratio: 2.05 Failed <sup>5</sup>	Ratio: 1.79 Failed <sup>5</sup>	Ratio: 1.58 Failed <sup>5</sup>	Ratio: 1.40 Failed <sup>5</sup>	Ratio: 1.24 Failed <sup>5</sup>	Ratio: 1.11 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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