

# Converting Colors - WCAG Matrix

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

	Hex(CFA9C4)	Hex(CF95BE)	Hex(CF80B9)	Hex(CF6BB3)	Hex(CF57AD)	Hex(CF42A8)	Hex(CF2DA2)	Hex(CF199C)	Hex(CF0496)	Hex(CF0095)
Hex(CFA9C4)		Ratio: 1.16 Failed <sup>5</sup>	Ratio: 1.36 Failed <sup>5</sup>	Ratio: 1.58 Failed <sup>5</sup>	Ratio: 1.80 Failed <sup>5</sup>	Ratio: 2.03 Failed <sup>5</sup>	Ratio: 2.23 Failed <sup>5</sup>	Ratio: 2.37 Failed <sup>5</sup>	Ratio: 2.46 Failed <sup>5</sup>	Ratio: 2.48 Failed <sup>5</sup>
Hex(CF95BE)	Ratio: 1.16 Failed <sup>5</sup>		Ratio: 1.17 Failed <sup>5</sup>	Ratio: 1.36 Failed <sup>5</sup>	Ratio: 1.55 Failed <sup>5</sup>	Ratio: 1.74 Failed <sup>5</sup>	Ratio: 1.91 Failed <sup>5</sup>	Ratio: 2.04 Failed <sup>5</sup>	Ratio: 2.12 Failed <sup>5</sup>	Ratio: 2.13 Failed <sup>5</sup>
Hex(CF80B9)	Ratio: 1.36 Failed <sup>5</sup>	Ratio: 1.17 Failed <sup>5</sup>		Ratio: 1.16 Failed <sup>5</sup>	Ratio: 1.32 Failed <sup>5</sup>	Ratio: 1.49 Failed <sup>5</sup>	Ratio: 1.64 Failed <sup>5</sup>	Ratio: 1.74 Failed <sup>5</sup>	Ratio: 1.81 Failed <sup>5</sup>	Ratio: 1.82 Failed <sup>5</sup>
Hex(CF6BB3)	Ratio: 1.58 Failed <sup>5</sup>	Ratio: 1.36 Failed <sup>5</sup>	Ratio: 1.16 Failed <sup>5</sup>		Ratio: 1.14 Failed <sup>5</sup>	Ratio: 1.28 Failed <sup>5</sup>	Ratio: 1.41 Failed <sup>5</sup>	Ratio: 1.50 Failed <sup>5</sup>	Ratio: 1.56 Failed <sup>5</sup>	Ratio: 1.57 Failed <sup>5</sup>
Hex(CF57AD)	Ratio: 1.80 Failed <sup>5</sup>	Ratio: 1.55 Failed <sup>5</sup>	Ratio: 1.32 Failed <sup>5</sup>	Ratio: 1.14 Failed <sup>5</sup>		Ratio: 1.12 Failed <sup>5</sup>	Ratio: 1.24 Failed <sup>5</sup>	Ratio: 1.32 Failed <sup>5</sup>	Ratio: 1.37 Failed <sup>5</sup>	Ratio: 1.38 Failed <sup>5</sup>
Hex(CF42A8)	Ratio: 2.03 Failed <sup>5</sup>	Ratio: 1.74 Failed <sup>5</sup>	Ratio: 1.49 Failed <sup>5</sup>	Ratio: 1.28 Failed <sup>5</sup>	Ratio: 1.12 Failed <sup>5</sup>		Ratio: 1.10 Failed <sup>5</sup>	Ratio: 1.17 Failed <sup>5</sup>	Ratio: 1.22 Failed <sup>5</sup>	Ratio: 1.22 Failed <sup>5</sup>
Hex(CF2DA2)	Ratio: 2.23 Failed <sup>5</sup>	Ratio: 1.91 Failed <sup>5</sup>	Ratio: 1.64 Failed <sup>5</sup>	Ratio: 1.41 Failed <sup>5</sup>	Ratio: 1.24 Failed <sup>5</sup>	Ratio: 1.10 Failed <sup>5</sup>		Ratio: 1.07 Failed <sup>5</sup>	Ratio: 1.11 Failed <sup>5</sup>	Ratio: 1.11 Failed <sup>5</sup>
Hex(CF199C)	Ratio: 2.37 Failed <sup>5</sup>	Ratio: 2.04 Failed <sup>5</sup>	Ratio: 1.74 Failed <sup>5</sup>	Ratio: 1.50 Failed <sup>5</sup>	Ratio: 1.32 Failed <sup>5</sup>	Ratio: 1.17 Failed <sup>5</sup>	Ratio: 1.07 Failed <sup>5</sup>		Ratio: 1.04 Failed <sup>5</sup>	Ratio: 1.05 Failed <sup>5</sup>
Hex(CF0496)	Ratio: 2.46 Failed <sup>5</sup>	Ratio: 2.12 Failed <sup>5</sup>	Ratio: 1.81 Failed <sup>5</sup>	Ratio: 1.56 Failed <sup>5</sup>	Ratio: 1.37 Failed <sup>5</sup>	Ratio: 1.22 Failed <sup>5</sup>	Ratio: 1.11 Failed <sup>5</sup>	Ratio: 1.04 Failed <sup>5</sup>		Ratio: 1.01 Failed <sup>5</sup>
Hex(CF0095)	Ratio: 2.48 Failed <sup>5</sup>	Ratio: 2.13 Failed <sup>5</sup>	Ratio: 1.82 Failed <sup>5</sup>	Ratio: 1.57 Failed <sup>5</sup>	Ratio: 1.38 Failed <sup>5</sup>	Ratio: 1.22 Failed <sup>5</sup>	Ratio: 1.11 Failed <sup>5</sup>	Ratio: 1.05 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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