

# Converting Colors - WCAG Matrix

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

Hex(008396) Hex(FFFFFF) Hex(51B8CC) Hex(70D4E9) Hex(8DF0FF) Hex(ABFFFF) Hex(C8FFFF) Hex(E6FFFF)

	Hex(008396)	Hex(FFFFFF)	Hex(51B8CC)	Hex(70D4E9)	Hex(8DF0FF)	Hex(ABFFFF)	Hex(C8FFFF)	Hex(E6FFFF)
Hex(008396)		Ratio: 4.48 AA 18pt <sup>2</sup>	Ratio: 1.94 Failed <sup>5</sup>	Ratio: 2.62 Failed <sup>5</sup>	Ratio: 3.42 AA 18pt <sup>2</sup>	Ratio: 3.94 AA 18pt <sup>2</sup>	Ratio: 4.10 AA 18pt <sup>2</sup>	Ratio: 4.29 AA 18pt <sup>2</sup>
Hex(FFFFFF)	Ratio: 4.48 AA 18pt <sup>2</sup>		Ratio: 2.31 Failed <sup>5</sup>	Ratio: 1.71 Failed <sup>5</sup>	Ratio: 1.31 Failed <sup>5</sup>	Ratio: 1.14 Failed <sup>5</sup>	Ratio: 1.09 Failed <sup>5</sup>	Ratio: 1.04 Failed <sup>5</sup>
Hex(51B8CC)	Ratio: 1.94 Failed <sup>5</sup>	Ratio: 2.31 Failed <sup>5</sup>		Ratio: 1.35 Failed <sup>5</sup>	Ratio: 1.77 Failed <sup>5</sup>	Ratio: 2.04 Failed <sup>5</sup>	Ratio: 2.12 Failed <sup>5</sup>	Ratio: 2.22 Failed <sup>5</sup>
Hex(70D4E9)	Ratio: 2.62 Failed <sup>5</sup>	Ratio: 1.71 Failed <sup>5</sup>	Ratio: 1.35 Failed <sup>5</sup>		Ratio: 1.31 Failed <sup>5</sup>	Ratio: 1.50 Failed <sup>5</sup>	Ratio: 1.56 Failed <sup>5</sup>	Ratio: 1.64 Failed <sup>5</sup>
Hex(8DF0FF)	Ratio: 3.42 AA 18pt <sup>2</sup>	Ratio: 1.31 Failed <sup>5</sup>	Ratio: 1.77 Failed <sup>5</sup>	Ratio: 1.31 Failed <sup>5</sup>		Ratio: 1.15 Failed <sup>5</sup>	Ratio: 1.20 Failed <sup>5</sup>	Ratio: 1.25 Failed <sup>5</sup>
Hex(ABFFFF)	Ratio: 3.94 AA 18pt <sup>2</sup>	Ratio: 1.14 Failed <sup>5</sup>	Ratio: 2.04 Failed <sup>5</sup>	Ratio: 1.50 Failed <sup>5</sup>	Ratio: 1.15 Failed <sup>5</sup>		Ratio: 1.04 Failed <sup>5</sup>	Ratio: 1.09 Failed <sup>5</sup>
Hex(C8FFFF)	Ratio: 4.10 AA 18pt <sup>2</sup>	Ratio: 1.09 Failed <sup>5</sup>	Ratio: 2.12 Failed <sup>5</sup>	Ratio: 1.56 Failed <sup>5</sup>	Ratio: 1.20 Failed <sup>5</sup>	Ratio: 1.04 Failed <sup>5</sup>		Ratio: 1.05 Failed <sup>5</sup>
Hex(E6FFFF)	Ratio: 4.29 AA 18pt <sup>2</sup>	Ratio: 1.04 Failed <sup>5</sup>	Ratio: 2.22 Failed <sup>5</sup>	Ratio: 1.64 Failed <sup>5</sup>	Ratio: 1.25 Failed <sup>5</sup>	Ratio: 1.09 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

Failed 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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