

# Converting Colors - WCAG Matrix

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

Hex(458DBC) Hex(FFFFFF) Hex(80C3F4) Hex(9DDEFF) Hex(BAFBFF) Hex(D7FFFF) Hex(F5FFFF)

	Hex(458DBC)	Hex(FFFFFF)	Hex(80C3F4)	Hex(9DDEFF)	Hex(BAFBFF)	Hex(D7FFFF)	Hex(F5FFFF)
Hex(458DBC)		Ratio: 3.63 AA 18pt <sup>2</sup>	Ratio: 1.91 Failed <sup>5</sup>	Ratio: 2.47 Failed <sup>5</sup>	Ratio: 3.17 AA 18pt <sup>2</sup>	Ratio: 3.39 AA 18pt <sup>2</sup>	Ratio: 3.56 AA 18pt <sup>2</sup>
Hex(FFFFFF)	Ratio: 3.63 AA 18pt <sup>2</sup>		Ratio: 1.90 Failed <sup>5</sup>	Ratio: 1.47 Failed <sup>5</sup>	Ratio: 1.15 Failed <sup>5</sup>	Ratio: 1.07 Failed <sup>5</sup>	Ratio: 1.02 Failed <sup>5</sup>
Hex(80C3F4)	Ratio: 1.91 Failed <sup>5</sup>	Ratio: 1.90 Failed <sup>5</sup>		Ratio: 1.30 Failed <sup>5</sup>	Ratio: 1.66 Failed <sup>5</sup>	Ratio: 1.78 Failed <sup>5</sup>	Ratio: 1.87 Failed <sup>5</sup>
Hex(9DDEFF)	Ratio: 2.47 Failed <sup>5</sup>	Ratio: 1.47 Failed <sup>5</sup>	Ratio: 1.30 Failed <sup>5</sup>		Ratio: 1.28 Failed <sup>5</sup>	Ratio: 1.37 Failed <sup>5</sup>	Ratio: 1.44 Failed <sup>5</sup>
Hex(BAFBFF)	Ratio: 3.17 AA 18pt <sup>2</sup>	Ratio: 1.15 Failed <sup>5</sup>	Ratio: 1.66 Failed <sup>5</sup>	Ratio: 1.28 Failed <sup>5</sup>		Ratio: 1.07 Failed <sup>5</sup>	Ratio: 1.13 Failed <sup>5</sup>
Hex(D7FFFF)	Ratio: 3.39 AA 18pt <sup>2</sup>	Ratio: 1.07 Failed <sup>5</sup>	Ratio: 1.78 Failed <sup>5</sup>	Ratio: 1.37 Failed <sup>5</sup>	Ratio: 1.07 Failed <sup>5</sup>		Ratio: 1.05 Failed <sup>5</sup>
Hex(F5FFFF)	Ratio: 3.56 AA 18pt <sup>2</sup>	Ratio: 1.02 Failed <sup>5</sup>	Ratio: 1.87 Failed <sup>5</sup>	Ratio: 1.44 Failed <sup>5</sup>	Ratio: 1.13 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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