

# Converting Colors - WCAG Matrix

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

	Hex(00B0FF)	Hex(1AB8FF)	Hex(33BFFF)	Hex(4DC7FF)	Hex(66CFFF)	Hex(80D7FF)	Hex(99DFFF)	Hex(B3E7FF)	Hex(CCEFFF)	Hex(E6F7FF)
Hex(00B0FF)		Ratio: 1.08 Failed <sup>5</sup>	Ratio: 1.16 Failed <sup>5</sup>	Ratio: 1.26 Failed <sup>5</sup>	Ratio: 1.38 Failed <sup>5</sup>	Ratio: 1.51 Failed <sup>5</sup>	Ratio: 1.66 Failed <sup>5</sup>	Ratio: 1.82 Failed <sup>5</sup>	Ratio: 2.01 Failed <sup>5</sup>	Ratio: 2.21 Failed <sup>5</sup>
Hex(1AB8FF)	Ratio: 1.08 Failed <sup>5</sup>		Ratio: 1.07 Failed <sup>5</sup>	Ratio: 1.17 Failed <sup>5</sup>	Ratio: 1.28 Failed <sup>5</sup>	Ratio: 1.40 Failed <sup>5</sup>	Ratio: 1.54 Failed <sup>5</sup>	Ratio: 1.69 Failed <sup>5</sup>	Ratio: 1.86 Failed <sup>5</sup>	Ratio: 2.05 Failed <sup>5</sup>
Hex(33BFFF)	Ratio: 1.16 Failed <sup>5</sup>	Ratio: 1.07 Failed <sup>5</sup>		Ratio: 1.09 Failed <sup>5</sup>	Ratio: 1.19 Failed <sup>5</sup>	Ratio: 1.30 Failed <sup>5</sup>	Ratio: 1.43 Failed <sup>5</sup>	Ratio: 1.57 Failed <sup>5</sup>	Ratio: 1.73 Failed <sup>5</sup>	Ratio: 1.90 Failed <sup>5</sup>
Hex(4DC7FF)	Ratio: 1.26 Failed <sup>5</sup>	Ratio: 1.17 Failed <sup>5</sup>	Ratio: 1.09 Failed <sup>5</sup>		Ratio: 1.09 Failed <sup>5</sup>	Ratio: 1.20 Failed <sup>5</sup>	Ratio: 1.31 Failed <sup>5</sup>	Ratio: 1.44 Failed <sup>5</sup>	Ratio: 1.59 Failed <sup>5</sup>	Ratio: 1.75 Failed <sup>5</sup>
Hex(66CFFF)	Ratio: 1.38 Failed <sup>5</sup>	Ratio: 1.28 Failed <sup>5</sup>	Ratio: 1.19 Failed <sup>5</sup>	Ratio: 1.09 Failed <sup>5</sup>		Ratio: 1.10 Failed <sup>5</sup>	Ratio: 1.20 Failed <sup>5</sup>	Ratio: 1.32 Failed <sup>5</sup>	Ratio: 1.45 Failed <sup>5</sup>	Ratio: 1.60 Failed <sup>5</sup>
Hex(80D7FF)	Ratio: 1.51 Failed <sup>5</sup>	Ratio: 1.40 Failed <sup>5</sup>	Ratio: 1.30 Failed <sup>5</sup>	Ratio: 1.20 Failed <sup>5</sup>	Ratio: 1.10 Failed <sup>5</sup>		Ratio: 1.10 Failed <sup>5</sup>	Ratio: 1.21 Failed <sup>5</sup>	Ratio: 1.33 Failed <sup>5</sup>	Ratio: 1.46 Failed <sup>5</sup>
Hex(99DFFF)	Ratio: 1.66 Failed <sup>5</sup>	Ratio: 1.54 Failed <sup>5</sup>	Ratio: 1.43 Failed <sup>5</sup>	Ratio: 1.31 Failed <sup>5</sup>	Ratio: 1.20 Failed <sup>5</sup>	Ratio: 1.10 Failed <sup>5</sup>		Ratio: 1.10 Failed <sup>5</sup>	Ratio: 1.21 Failed <sup>5</sup>	Ratio: 1.33 Failed <sup>5</sup>
Hex(B3E7FF)	Ratio: 1.82 Failed <sup>5</sup>	Ratio: 1.69 Failed <sup>5</sup>	Ratio: 1.57 Failed <sup>5</sup>	Ratio: 1.44 Failed <sup>5</sup>	Ratio: 1.32 Failed <sup>5</sup>	Ratio: 1.21 Failed <sup>5</sup>	Ratio: 1.10 Failed <sup>5</sup>		Ratio: 1.10 Failed <sup>5</sup>	Ratio: 1.21 Failed <sup>5</sup>
Hex(CCEFFF)	Ratio: 2.01 Failed <sup>5</sup>	Ratio: 1.86 Failed <sup>5</sup>	Ratio: 1.73 Failed <sup>5</sup>	Ratio: 1.59 Failed <sup>5</sup>	Ratio: 1.45 Failed <sup>5</sup>	Ratio: 1.33 Failed <sup>5</sup>	Ratio: 1.21 Failed <sup>5</sup>	Ratio: 1.10 Failed <sup>5</sup>		Ratio: 1.10 Failed <sup>5</sup>
Hex(E6F7FF)	Ratio: 2.21 Failed <sup>5</sup>	Ratio: 2.05 Failed <sup>5</sup>	Ratio: 1.90 Failed <sup>5</sup>	Ratio: 1.75 Failed <sup>5</sup>	Ratio: 1.60 Failed <sup>5</sup>	Ratio: 1.46 Failed <sup>5</sup>	Ratio: 1.33 Failed <sup>5</sup>	Ratio: 1.21 Failed <sup>5</sup>	Ratio: 1.10 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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