

# Converting Colors - WCAG Matrix

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

	Hex(DCC9FF)	Hex(CBB0FF)	Hex(BB96FF)	Hex(AA7DFF)	Hex(9963FF)	Hex(894AFF)	Hex(7830FF)	Hex(6717FF)	Hex(5800FF)
Hex(DCC9FF)		Ratio: 1.24 Failed <sup>5</sup>	Ratio: 1.55 Failed <sup>5</sup>	Ratio: 1.95 Failed <sup>5</sup>	Ratio: 2.48 Failed <sup>5</sup>	Ratio: 3.08 AA 18pt <sup>2</sup>	Ratio: 3.78 AA 18pt <sup>2</sup>	Ratio: 4.40 AA 18pt <sup>2</sup>	Ratio: 4.84 AA <sup>1</sup> AAA 18pt <sup>4</sup>
Hex(CBB0FF)	Ratio: 1.24 Failed <sup>5</sup>		Ratio: 1.25 Failed <sup>5</sup>	Ratio: 1.58 Failed <sup>5</sup>	Ratio: 2.00 Failed <sup>5</sup>	Ratio: 2.49 Failed <sup>5</sup>	Ratio: 3.05 AA 18pt <sup>2</sup>	Ratio: 3.56 AA 18pt <sup>2</sup>	Ratio: 3.92 AA 18pt <sup>2</sup>
Hex(BB96FF)	Ratio: 1.55 Failed <sup>5</sup>	Ratio: 1.25 Failed <sup>5</sup>		Ratio: 1.26 Failed <sup>5</sup>	Ratio: 1.60 Failed <sup>5</sup>	Ratio: 1.99 Failed <sup>5</sup>	Ratio: 2.43 Failed <sup>5</sup>	Ratio: 2.84 Failed <sup>5</sup>	Ratio: 3.12 AA 18pt <sup>2</sup>
Hex(AA7DFF)	Ratio: 1.95 Failed <sup>5</sup>	Ratio: 1.58 Failed <sup>5</sup>	Ratio: 1.26 Failed <sup>5</sup>		Ratio: 1.27 Failed <sup>5</sup>	Ratio: 1.58 Failed <sup>5</sup>	Ratio: 1.93 Failed <sup>5</sup>	Ratio: 2.25 Failed <sup>5</sup>	Ratio: 2.48 Failed <sup>5</sup>
Hex(9963FF)	Ratio: 2.48 Failed <sup>5</sup>	Ratio: 2.00 Failed <sup>5</sup>	Ratio: 1.60 Failed <sup>5</sup>	Ratio: 1.27 Failed <sup>5</sup>		Ratio: 1.24 Failed <sup>5</sup>	Ratio: 1.52 Failed <sup>5</sup>	Ratio: 1.78 Failed <sup>5</sup>	Ratio: 1.95 Failed <sup>5</sup>
Hex(894AFF)	Ratio: 3.08 AA 18pt <sup>2</sup>	Ratio: 2.49 Failed <sup>5</sup>	Ratio: 1.99 Failed <sup>5</sup>	Ratio: 1.58 Failed <sup>5</sup>	Ratio: 1.24 Failed <sup>5</sup>		Ratio: 1.22 Failed <sup>5</sup>	Ratio: 1.43 Failed <sup>5</sup>	Ratio: 1.57 Failed <sup>5</sup>
Hex(7830FF)	Ratio: 3.78 AA 18pt <sup>2</sup>	Ratio: 3.05 AA 18pt <sup>2</sup>	Ratio: 2.43 Failed <sup>5</sup>	Ratio: 1.93 Failed <sup>5</sup>	Ratio: 1.52 Failed <sup>5</sup>	Ratio: 1.22 Failed <sup>5</sup>		Ratio: 1.17 Failed <sup>5</sup>	Ratio: 1.28 Failed <sup>5</sup>
Hex(6717FF)	Ratio: 4.40 AA 18pt <sup>2</sup>	Ratio: 3.56 AA 18pt <sup>2</sup>	Ratio: 2.84 Failed <sup>5</sup>	Ratio: 2.25 Failed <sup>5</sup>	Ratio: 1.78 Failed <sup>5</sup>	Ratio: 1.43 Failed <sup>5</sup>	Ratio: 1.17 Failed <sup>5</sup>		Ratio: 1.10 Failed <sup>5</sup>
Hex(5800FF)	Ratio: 4.84 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 3.92 AA 18pt <sup>2</sup>	Ratio: 3.12 AA 18pt <sup>2</sup>	Ratio: 2.48 Failed <sup>5</sup>	Ratio: 1.95 Failed <sup>5</sup>	Ratio: 1.57 Failed <sup>5</sup>	Ratio: 1.28 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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