

# Converting Colors - WCAG Matrix

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

Hex(000991) Hex(FFF3FF) Hex(4C39C8) Hex(6B51E5) Hex(8A6AFF) Hex(A884FF) Hex(C69FFF) Hex(E4BAFF) Hex(FFD6FF)

	Hex(000991)	Hex(FFF3FF)	Hex(4C39C8)	Hex(6B51E5)	Hex(8A6AFF)	Hex(A884FF)	Hex(C69FFF)	Hex(E4BAFF)	Hex(FFD6FF)
Hex(000991)		Ratio: 13.48 Passed <sup>6</sup>	Ratio: 1.88 Failed <sup>5</sup>	Ratio: 2.72 Failed <sup>5</sup>	Ratio: 3.86 AA 18pt <sup>2</sup>	Ratio: 5.12 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 6.77 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 8.82 Passed <sup>6</sup>	Ratio: 11.27 Passed <sup>6</sup>
Hex(FFF3FF)	Ratio: 13.48 Passed <sup>6</sup>		Ratio: 7.16 Passed <sup>6</sup>	Ratio: 4.96 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 3.49 AA 18pt <sup>2</sup>	Ratio: 2.63 Failed <sup>5</sup>	Ratio: 1.99 Failed <sup>5</sup>	Ratio: 1.53 Failed <sup>5</sup>	Ratio: 1.20 Failed <sup>5</sup>
Hex(4C39C8)	Ratio: 1.88 Failed <sup>5</sup>	Ratio: 7.16 Passed <sup>6</sup>		Ratio: 1.44 Failed <sup>5</sup>	Ratio: 2.05 Failed <sup>5</sup>	Ratio: 2.72 Failed <sup>5</sup>	Ratio: 3.60 AA 18pt <sup>2</sup>	Ratio: 4.68 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 5.98 AA <sup>1</sup> AAA 18pt <sup>4</sup>
Hex(6B51E5)	Ratio: 2.72 Failed <sup>5</sup>	Ratio: 4.96 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 1.44 Failed <sup>5</sup>		Ratio: 1.42 Failed <sup>5</sup>	Ratio: 1.88 Failed <sup>5</sup>	Ratio: 2.49 Failed <sup>5</sup>	Ratio: 3.25 AA 18pt <sup>2</sup>	Ratio: 4.15 AA 18pt <sup>2</sup>
Hex(8A6AFF)	Ratio: 3.86 AA 18pt <sup>2</sup>	Ratio: 3.49 AA 18pt <sup>2</sup>	Ratio: 2.05 Failed <sup>5</sup>	Ratio: 1.42 Failed <sup>5</sup>		Ratio: 1.33 Failed <sup>5</sup>	Ratio: 1.76 Failed <sup>5</sup>	Ratio: 2.29 Failed <sup>5</sup>	Ratio: 2.92 Failed <sup>5</sup>
Hex(A884FF)	Ratio: 5.12 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 2.63 Failed <sup>5</sup>	Ratio: 2.72 Failed <sup>5</sup>	Ratio: 1.88 Failed <sup>5</sup>	Ratio: 1.33 Failed <sup>5</sup>		Ratio: 1.32 Failed <sup>5</sup>	Ratio: 1.72 Failed <sup>5</sup>	Ratio: 2.20 Failed <sup>5</sup>
Hex(C69FFF)	Ratio: 6.77 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 1.99 Failed <sup>5</sup>	Ratio: 3.60 AA 18pt <sup>2</sup>	Ratio: 2.49 Failed <sup>5</sup>	Ratio: 1.76 Failed <sup>5</sup>	Ratio: 1.32 Failed <sup>5</sup>		Ratio: 1.30 Failed <sup>5</sup>	Ratio: 1.66 Failed <sup>5</sup>
Hex(E4BAFF)	Ratio: 8.82 Passed <sup>6</sup>	Ratio: 1.53 Failed <sup>5</sup>	Ratio: 4.68 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 3.25 AA 18pt <sup>2</sup>	Ratio: 2.29 Failed <sup>5</sup>	Ratio: 1.72 Failed <sup>5</sup>	Ratio: 1.30 Failed <sup>5</sup>		Ratio: 1.28 Failed <sup>5</sup>
Hex(FFD6FF)	Ratio: 11.27 Passed <sup>6</sup>	Ratio: 1.20 Failed <sup>5</sup>	Ratio: 5.98 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 4.15 AA 18pt <sup>2</sup>	Ratio: 2.92 Failed <sup>5</sup>	Ratio: 2.20 Failed <sup>5</sup>	Ratio: 1.66 Failed <sup>5</sup>	Ratio: 1.28 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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