

# Converting Colors - WCAG Matrix

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

Hex(A1A6FE) Hex(888EFE) Hex(6E76FE) Hex(555EFE) Hex(3B46FE) Hex(222EFE) Hex(0916FE) Hex(000EFE)

	Hex(A1A6FE)	Hex(888EFE)	Hex(6E76FE)	Hex(555EFE)	Hex(3B46FE)	Hex(222EFE)	Hex(0916FE)	Hex(000EFE)
Hex(A1A6FE)		Ratio: 1.28 Failed <sup>5</sup>	Ratio: 1.65 Failed <sup>5</sup>	Ratio: 2.13 Failed <sup>5</sup>	Ratio: 2.69 Failed <sup>5</sup>	Ratio: 3.25 AA 18pt <sup>2</sup>	Ratio: 3.68 AA 18pt <sup>2</sup>	Ratio: 3.77 AA 18pt <sup>2</sup>
Hex(888EFE)	Ratio: 1.28 Failed <sup>5</sup>		Ratio: 1.29 Failed <sup>5</sup>	Ratio: 1.66 Failed <sup>5</sup>	Ratio: 2.10 Failed <sup>5</sup>	Ratio: 2.54 Failed <sup>5</sup>	Ratio: 2.87 Failed <sup>5</sup>	Ratio: 2.95 Failed <sup>5</sup>
Hex(6E76FE)	Ratio: 1.65 Failed <sup>5</sup>	Ratio: 1.29 Failed <sup>5</sup>		Ratio: 1.29 Failed <sup>5</sup>	Ratio: 1.63 Failed <sup>5</sup>	Ratio: 1.97 Failed <sup>5</sup>	Ratio: 2.22 Failed <sup>5</sup>	Ratio: 2.28 Failed <sup>5</sup>
Hex(555EFE)	Ratio: 2.13 Failed <sup>5</sup>	Ratio: 1.66 Failed <sup>5</sup>	Ratio: 1.29 Failed <sup>5</sup>		Ratio: 1.26 Failed <sup>5</sup>	Ratio: 1.53 Failed <sup>5</sup>	Ratio: 1.73 Failed <sup>5</sup>	Ratio: 1.77 Failed <sup>5</sup>
Hex(3B46FE)	Ratio: 2.69 Failed <sup>5</sup>	Ratio: 2.10 Failed <sup>5</sup>	Ratio: 1.63 Failed <sup>5</sup>	Ratio: 1.26 Failed <sup>5</sup>		Ratio: 1.21 Failed <sup>5</sup>	Ratio: 1.37 Failed <sup>5</sup>	Ratio: 1.40 Failed <sup>5</sup>
Hex(222EFE)	Ratio: 3.25 AA 18pt <sup>2</sup>	Ratio: 2.54 Failed <sup>5</sup>	Ratio: 1.97 Failed <sup>5</sup>	Ratio: 1.53 Failed <sup>5</sup>	Ratio: 1.21 Failed <sup>5</sup>		Ratio: 1.13 Failed <sup>5</sup>	Ratio: 1.16 Failed <sup>5</sup>
Hex(0916FE)	Ratio: 3.68 AA 18pt <sup>2</sup>	Ratio: 2.87 Failed <sup>5</sup>	Ratio: 2.22 Failed <sup>5</sup>	Ratio: 1.73 Failed <sup>5</sup>	Ratio: 1.37 Failed <sup>5</sup>	Ratio: 1.13 Failed <sup>5</sup>		Ratio: 1.03 Failed <sup>5</sup>
Hex(000EFE)	Ratio: 3.77 AA 18pt <sup>2</sup>	Ratio: 2.95 Failed <sup>5</sup>	Ratio: 2.28 Failed <sup>5</sup>	Ratio: 1.77 Failed <sup>5</sup>	Ratio: 1.40 Failed <sup>5</sup>	Ratio: 1.16 Failed <sup>5</sup>	Ratio: 1.03 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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