

# Converting Colors - WCAG Matrix

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

Hex(979913) Hex(7B7F00) Hex(606600) Hex(454E00) Hex(2B3700) Hex(122200) Hex(000700) Hex(000000)

	Hex(979913)	Hex(7B7F00)	Hex(606600)	Hex(454E00)	Hex(2B3700)	Hex(122200)	Hex(000700)	Hex(000000)
Hex(979913)		Ratio: 1.41 Failed <sup>5</sup>	Ratio: 2.03 Failed <sup>5</sup>	Ratio: 2.94 Failed <sup>5</sup>	Ratio: 4.17 AA 18pt <sup>2</sup>	Ratio: 5.49 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 6.68 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 6.88 AA <sup>1</sup> AAA 18pt <sup>4</sup>
Hex(7B7F00)	Ratio: 1.41 Failed <sup>5</sup>		Ratio: 1.44 Failed <sup>5</sup>	Ratio: 2.08 Failed <sup>5</sup>	Ratio: 2.96 Failed <sup>5</sup>	Ratio: 3.89 AA 18pt <sup>2</sup>	Ratio: 4.73 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 4.88 AA <sup>1</sup> AAA 18pt <sup>4</sup>
Hex(606600)	Ratio: 2.03 Failed <sup>5</sup>	Ratio: 1.44 Failed <sup>5</sup>		Ratio: 1.45 Failed <sup>5</sup>	Ratio: 2.06 Failed <sup>5</sup>	Ratio: 2.71 Failed <sup>5</sup>	Ratio: 3.30 AA 18pt <sup>2</sup>	Ratio: 3.40 AA 18pt <sup>2</sup>
Hex(454E00)	Ratio: 2.94 Failed <sup>5</sup>	Ratio: 2.08 Failed <sup>5</sup>	Ratio: 1.45 Failed <sup>5</sup>		Ratio: 1.42 Failed <sup>5</sup>	Ratio: 1.87 Failed <sup>5</sup>	Ratio: 2.27 Failed <sup>5</sup>	Ratio: 2.34 Failed <sup>5</sup>
Hex(2B3700)	Ratio: 4.17 AA 18pt <sup>2</sup>	Ratio: 2.96 Failed <sup>5</sup>	Ratio: 2.06 Failed <sup>5</sup>	Ratio: 1.42 Failed <sup>5</sup>		Ratio: 1.31 Failed <sup>5</sup>	Ratio: 1.60 Failed <sup>5</sup>	Ratio: 1.65 Failed <sup>5</sup>
Hex(122200)	Ratio: 5.49 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 3.89 AA 18pt <sup>2</sup>	Ratio: 2.71 Failed <sup>5</sup>	Ratio: 1.87 Failed <sup>5</sup>	Ratio: 1.31 Failed <sup>5</sup>		Ratio: 1.22 Failed <sup>5</sup>	Ratio: 1.25 Failed <sup>5</sup>
Hex(000700)	Ratio: 6.68 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 4.73 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 3.30 AA 18pt <sup>2</sup>	Ratio: 2.27 Failed <sup>5</sup>	Ratio: 1.60 Failed <sup>5</sup>	Ratio: 1.22 Failed <sup>5</sup>		Ratio: 1.03 Failed <sup>5</sup>
Hex(000000)	Ratio: 6.88 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 4.88 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 3.40 AA 18pt <sup>2</sup>	Ratio: 2.34 Failed <sup>5</sup>	Ratio: 1.65 Failed <sup>5</sup>	Ratio: 1.25 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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