

# Converting Colors - WCAG Matrix

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

	Hex(12AB5C)	Hex(008F42)	Hex(00752B)	Hex(005C14)	Hex(004200)	Hex(002B00)	Hex(000A00)	Hex(000000)
Hex(12AB5C)		Ratio: 1.40 Failed <sup>5</sup>	Ratio: 1.96 Failed <sup>5</sup>	Ratio: 2.76 Failed <sup>5</sup>	Ratio: 3.94 AA 18pt <sup>2</sup>	Ratio: 5.21 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 6.71 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 7.01 Passed <sup>6</sup>
Hex(008F42)	Ratio: 1.40 Failed <sup>5</sup>		Ratio: 1.40 Failed <sup>5</sup>	Ratio: 1.97 Failed <sup>5</sup>	Ratio: 2.81 Failed <sup>5</sup>	Ratio: 3.72 AA 18pt <sup>2</sup>	Ratio: 4.80 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 5.01 AA <sup>1</sup> AAA 18pt <sup>4</sup>
Hex(00752B)	Ratio: 1.96 Failed <sup>5</sup>	Ratio: 1.40 Failed <sup>5</sup>		Ratio: 1.41 Failed <sup>5</sup>	Ratio: 2.01 Failed <sup>5</sup>	Ratio: 2.66 Failed <sup>5</sup>	Ratio: 3.43 AA 18pt <sup>2</sup>	Ratio: 3.58 AA 18pt <sup>2</sup>
Hex(005C14)	Ratio: 2.76 Failed <sup>5</sup>	Ratio: 1.97 Failed <sup>5</sup>	Ratio: 1.41 Failed <sup>5</sup>		Ratio: 1.43 Failed <sup>5</sup>	Ratio: 1.89 Failed <sup>5</sup>	Ratio: 2.44 Failed <sup>5</sup>	Ratio: 2.54 Failed <sup>5</sup>
Hex(004200)	Ratio: 3.94 AA 18pt <sup>2</sup>	Ratio: 2.81 Failed <sup>5</sup>	Ratio: 2.01 Failed <sup>5</sup>	Ratio: 1.43 Failed <sup>5</sup>		Ratio: 1.32 Failed <sup>5</sup>	Ratio: 1.71 Failed <sup>5</sup>	Ratio: 1.78 Failed <sup>5</sup>
Hex(002B00)	Ratio: 5.21 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 3.72 AA 18pt <sup>2</sup>	Ratio: 2.66 Failed <sup>5</sup>	Ratio: 1.89 Failed <sup>5</sup>	Ratio: 1.32 Failed <sup>5</sup>		Ratio: 1.29 Failed <sup>5</sup>	Ratio: 1.35 Failed <sup>5</sup>
Hex(000A00)	Ratio: 6.71 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 4.80 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 3.43 AA 18pt <sup>2</sup>	Ratio: 2.44 Failed <sup>5</sup>	Ratio: 1.71 Failed <sup>5</sup>	Ratio: 1.29 Failed <sup>5</sup>		Ratio: 1.04 Failed <sup>5</sup>
Hex(000000)	Ratio: 7.01 Passed <sup>6</sup>	Ratio: 5.01 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 3.58 AA 18pt <sup>2</sup>	Ratio: 2.54 Failed <sup>5</sup>	Ratio: 1.78 Failed <sup>5</sup>	Ratio: 1.35 Failed <sup>5</sup>	Ratio: 1.04 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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