

# Converting Colors - WCAG Matrix

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

	Hex(13C980)	Hex(00AD67)	Hex(00924E)	Hex(007737)	Hex(005D20)	Hex(004409)	Hex(002D00)	Hex(000D00)	Hex(000000)
Hex(13C980)		Ratio: 1.35 Failed <sup>5</sup>	Ratio: 1.86 Failed <sup>5</sup>	Ratio: 2.62 Failed <sup>5</sup>	Ratio: 3.75 AA 18pt <sup>2</sup>	Ratio: 5.29 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 7.05 Passed <sup>6</sup>	Ratio: 9.17 Passed <sup>6</sup>	Ratio: 9.69 Passed <sup>6</sup>
Hex(00AD67)	Ratio: 1.35 Failed <sup>5</sup>		Ratio: 1.37 Failed <sup>5</sup>	Ratio: 1.94 Failed <sup>5</sup>	Ratio: 2.77 Failed <sup>5</sup>	Ratio: 3.92 AA 18pt <sup>2</sup>	Ratio: 5.22 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 6.78 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 7.17 Passed <sup>6</sup>
Hex(00924E)	Ratio: 1.86 Failed <sup>5</sup>	Ratio: 1.37 Failed <sup>5</sup>		Ratio: 1.41 Failed <sup>5</sup>	Ratio: 2.02 Failed <sup>5</sup>	Ratio: 2.85 Failed <sup>5</sup>	Ratio: 3.80 AA 18pt <sup>2</sup>	Ratio: 4.94 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 5.22 AA <sup>1</sup> AAA 18pt <sup>4</sup>
Hex(007737)	Ratio: 2.62 Failed <sup>5</sup>	Ratio: 1.94 Failed <sup>5</sup>	Ratio: 1.41 Failed <sup>5</sup>		Ratio: 1.43 Failed <sup>5</sup>	Ratio: 2.02 Failed <sup>5</sup>	Ratio: 2.69 Failed <sup>5</sup>	Ratio: 3.49 AA 18pt <sup>2</sup>	Ratio: 3.69 AA 18pt <sup>2</sup>
Hex(005D20)	Ratio: 3.75 AA 18pt <sup>2</sup>	Ratio: 2.77 Failed <sup>5</sup>	Ratio: 2.02 Failed <sup>5</sup>	Ratio: 1.43 Failed <sup>5</sup>		Ratio: 1.41 Failed <sup>5</sup>	Ratio: 1.88 Failed <sup>5</sup>	Ratio: 2.45 Failed <sup>5</sup>	Ratio: 2.59 Failed <sup>5</sup>
Hex(004409)	Ratio: 5.29 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 3.92 AA 18pt <sup>2</sup>	Ratio: 2.85 Failed <sup>5</sup>	Ratio: 2.02 Failed <sup>5</sup>	Ratio: 1.41 Failed <sup>5</sup>		Ratio: 1.33 Failed <sup>5</sup>	Ratio: 1.73 Failed <sup>5</sup>	Ratio: 1.83 Failed <sup>5</sup>
Hex(002D00)	Ratio: 7.05 Passed <sup>6</sup>	Ratio: 5.22 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 3.80 AA 18pt <sup>2</sup>	Ratio: 2.69 Failed <sup>5</sup>	Ratio: 1.88 Failed <sup>5</sup>	Ratio: 1.33 Failed <sup>5</sup>		Ratio: 1.30 Failed <sup>5</sup>	Ratio: 1.38 Failed <sup>5</sup>
Hex(000D00)	Ratio: 9.17 Passed <sup>6</sup>	Ratio: 6.78 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 4.94 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 3.49 AA 18pt <sup>2</sup>	Ratio: 2.45 Failed <sup>5</sup>	Ratio: 1.73 Failed <sup>5</sup>	Ratio: 1.30 Failed <sup>5</sup>		Ratio: 1.06 Failed <sup>5</sup>
Hex(000000)	Ratio: 9.69 Passed <sup>6</sup>	Ratio: 7.17 Passed <sup>6</sup>	Ratio: 5.22 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 3.69 AA 18pt <sup>2</sup>	Ratio: 2.59 Failed <sup>5</sup>	Ratio: 1.83 Failed <sup>5</sup>	Ratio: 1.38 Failed <sup>5</sup>	Ratio: 1.06 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.