

# Converting Colors - WCAG Matrix

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

	Hex(C0ADA5)	Hex(A4928B)	Hex(8A7972)	Hex(706059)	Hex(584842)	Hex(40322C)	Hex(2A1D17)	Hex(160300)	Hex(000000)
Hex(C0ADA5)		Ratio: 1.38 Failed <sup>5</sup>	Ratio: 1.93 Failed <sup>5</sup>	Ratio: 2.78 Failed <sup>5</sup>	Ratio: 4.03 AA 18pt <sup>2</sup>	Ratio: 5.71 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 7.59 Passed <sup>6</sup>	Ratio: 9.32 Passed <sup>6</sup>	Ratio: 9.76 Passed <sup>6</sup>
Hex(A4928B)	Ratio: 1.38 Failed <sup>5</sup>		Ratio: 1.40 Failed <sup>5</sup>	Ratio: 2.01 Failed <sup>5</sup>	Ratio: 2.92 Failed <sup>5</sup>	Ratio: 4.13 AA 18pt <sup>2</sup>	Ratio: 5.49 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 6.74 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 7.06 Passed <sup>6</sup>
Hex(8A7972)	Ratio: 1.93 Failed <sup>5</sup>	Ratio: 1.40 Failed <sup>5</sup>		Ratio: 1.44 Failed <sup>5</sup>	Ratio: 2.09 Failed <sup>5</sup>	Ratio: 2.96 Failed <sup>5</sup>	Ratio: 3.93 AA 18pt <sup>2</sup>	Ratio: 4.83 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 5.06 AA <sup>1</sup> AAA 18pt <sup>4</sup>
Hex(706059)	Ratio: 2.78 Failed <sup>5</sup>	Ratio: 2.01 Failed <sup>5</sup>	Ratio: 1.44 Failed <sup>5</sup>		Ratio: 1.45 Failed <sup>5</sup>	Ratio: 2.05 Failed <sup>5</sup>	Ratio: 2.73 Failed <sup>5</sup>	Ratio: 3.35 AA 18pt <sup>2</sup>	Ratio: 3.51 AA 18pt <sup>2</sup>
Hex(584842)	Ratio: 4.03 AA 18pt <sup>2</sup>	Ratio: 2.92 Failed <sup>5</sup>	Ratio: 2.09 Failed <sup>5</sup>	Ratio: 1.45 Failed <sup>5</sup>		Ratio: 1.42 Failed <sup>5</sup>	Ratio: 1.88 Failed <sup>5</sup>	Ratio: 2.31 Failed <sup>5</sup>	Ratio: 2.42 Failed <sup>5</sup>
Hex(40322C)	Ratio: 5.71 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 4.13 AA 18pt <sup>2</sup>	Ratio: 2.96 Failed <sup>5</sup>	Ratio: 2.05 Failed <sup>5</sup>	Ratio: 1.42 Failed <sup>5</sup>		Ratio: 1.33 Failed <sup>5</sup>	Ratio: 1.63 Failed <sup>5</sup>	Ratio: 1.71 Failed <sup>5</sup>
Hex(2A1D17)	Ratio: 7.59 Passed <sup>6</sup>	Ratio: 5.49 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 3.93 AA 18pt <sup>2</sup>	Ratio: 2.73 Failed <sup>5</sup>	Ratio: 1.88 Failed <sup>5</sup>	Ratio: 1.33 Failed <sup>5</sup>		Ratio: 1.23 Failed <sup>5</sup>	Ratio: 1.29 Failed <sup>5</sup>
Hex(160300)	Ratio: 9.32 Passed <sup>6</sup>	Ratio: 6.74 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 4.83 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 3.35 AA 18pt <sup>2</sup>	Ratio: 2.31 Failed <sup>5</sup>	Ratio: 1.63 Failed <sup>5</sup>	Ratio: 1.23 Failed <sup>5</sup>		Ratio: 1.05 Failed <sup>5</sup>
Hex(000000)	Ratio: 9.76 Passed <sup>6</sup>	Ratio: 7.06 Passed <sup>6</sup>	Ratio: 5.06 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 3.51 AA 18pt <sup>2</sup>	Ratio: 2.42 Failed <sup>5</sup>	Ratio: 1.71 Failed <sup>5</sup>	Ratio: 1.29 Failed <sup>5</sup>	Ratio: 1.05 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.