

# Converting Colors - WCAG Matrix

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

Hex(AC9893) Hex(917E79) Hex(776561) Hex(5E4D49) Hex(473632) Hex(30211D) Hex(1C0A04) Hex(000000)

	Hex(AC9893)	Hex(917E79)	Hex(776561)	Hex(5E4D49)	Hex(473632)	Hex(30211D)	Hex(1C0A04)	Hex(000000)
Hex(AC9893)		Ratio: 1.40 Failed <sup>5</sup>	Ratio: 2.01 Failed <sup>5</sup>	Ratio: 2.91 Failed <sup>5</sup>	Ratio: 4.16 AA 18pt <sup>2</sup>	Ratio: 5.63 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 7.00 Passed <sup>6</sup>	Ratio: 7.67 Passed <sup>6</sup>
Hex(917E79)	Ratio: 1.40 Failed <sup>5</sup>		Ratio: 1.43 Failed <sup>5</sup>	Ratio: 2.07 Failed <sup>5</sup>	Ratio: 2.97 Failed <sup>5</sup>	Ratio: 4.01 AA 18pt <sup>2</sup>	Ratio: 4.99 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 5.46 AA <sup>1</sup> AAA 18pt <sup>4</sup>
Hex(776561)	Ratio: 2.01 Failed <sup>5</sup>	Ratio: 1.43 Failed <sup>5</sup>		Ratio: 1.45 Failed <sup>5</sup>	Ratio: 2.07 Failed <sup>5</sup>	Ratio: 2.81 Failed <sup>5</sup>	Ratio: 3.49 AA 18pt <sup>2</sup>	Ratio: 3.82 AA 18pt <sup>2</sup>
Hex(5E4D49)	Ratio: 2.91 Failed <sup>5</sup>	Ratio: 2.07 Failed <sup>5</sup>	Ratio: 1.45 Failed <sup>5</sup>		Ratio: 1.43 Failed <sup>5</sup>	Ratio: 1.94 Failed <sup>5</sup>	Ratio: 2.41 Failed <sup>5</sup>	Ratio: 2.63 Failed <sup>5</sup>
Hex(473632)	Ratio: 4.16 AA 18pt <sup>2</sup>	Ratio: 2.97 Failed <sup>5</sup>	Ratio: 2.07 Failed <sup>5</sup>	Ratio: 1.43 Failed <sup>5</sup>		Ratio: 1.35 Failed <sup>5</sup>	Ratio: 1.68 Failed <sup>5</sup>	Ratio: 1.84 Failed <sup>5</sup>
Hex(30211D)	Ratio: 5.63 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 4.01 AA 18pt <sup>2</sup>	Ratio: 2.81 Failed <sup>5</sup>	Ratio: 1.94 Failed <sup>5</sup>	Ratio: 1.35 Failed <sup>5</sup>		Ratio: 1.24 Failed <sup>5</sup>	Ratio: 1.36 Failed <sup>5</sup>
Hex(1C0A04)	Ratio: 7.00 Passed <sup>6</sup>	Ratio: 4.99 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 3.49 AA 18pt <sup>2</sup>	Ratio: 2.41 Failed <sup>5</sup>	Ratio: 1.68 Failed <sup>5</sup>	Ratio: 1.24 Failed <sup>5</sup>		Ratio: 1.09 Failed <sup>5</sup>
Hex(000000)	Ratio: 7.67 Passed <sup>6</sup>	Ratio: 5.46 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 3.82 AA 18pt <sup>2</sup>	Ratio: 2.63 Failed <sup>5</sup>	Ratio: 1.84 Failed <sup>5</sup>	Ratio: 1.36 Failed <sup>5</sup>	Ratio: 1.09 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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