

# Converting Colors - WCAG Matrix

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

	Hex(200700)	Hex(FFE7E2)	Hex(4A3430)	Hex(624A47)	Hex(7B625E)	Hex(967B77)	Hex(B09590)	Hex(CCB0AB)	Hex(E8CBC6)
Hex(200700)		Ratio: 16.29 Passed <sup>6</sup>	Ratio: 1.67 Failed <sup>5</sup>	Ratio: 2.37 Failed <sup>5</sup>	Ratio: 3.44 AA 18pt <sup>2</sup>	Ratio: 4.94 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 6.91 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 9.49 Passed <sup>6</sup>	Ratio: 12.63 Passed <sup>6</sup>
Hex(FFE7E2)	Ratio: 16.29 Passed <sup>6</sup>		Ratio: 9.74 Passed <sup>6</sup>	Ratio: 6.87 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 4.74 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 3.29 AA 18pt <sup>2</sup>	Ratio: 2.36 Failed <sup>5</sup>	Ratio: 1.72 Failed <sup>5</sup>	Ratio: 1.29 Failed <sup>5</sup>
Hex(4A3430)	Ratio: 1.67 Failed <sup>5</sup>	Ratio: 9.74 Passed <sup>6</sup>		Ratio: 1.42 Failed <sup>5</sup>	Ratio: 2.06 Failed <sup>5</sup>	Ratio: 2.96 Failed <sup>5</sup>	Ratio: 4.14 AA 18pt <sup>2</sup>	Ratio: 5.68 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 7.56 Passed <sup>6</sup>
Hex(624A47)	Ratio: 2.37 Failed <sup>5</sup>	Ratio: 6.87 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 1.42 Failed <sup>5</sup>		Ratio: 1.45 Failed <sup>5</sup>	Ratio: 2.08 Failed <sup>5</sup>	Ratio: 2.91 Failed <sup>5</sup>	Ratio: 4.00 AA 18pt <sup>2</sup>	Ratio: 5.32 AA <sup>1</sup> AAA 18pt <sup>4</sup>
Hex(7B625E)	Ratio: 3.44 AA 18pt <sup>2</sup>	Ratio: 4.74 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 2.06 Failed <sup>5</sup>	Ratio: 1.45 Failed <sup>5</sup>		Ratio: 1.44 Failed <sup>5</sup>	Ratio: 2.01 Failed <sup>5</sup>	Ratio: 2.76 Failed <sup>5</sup>	Ratio: 3.68 AA 18pt <sup>2</sup>
Hex(967B77)	Ratio: 4.94 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 3.29 AA 18pt <sup>2</sup>	Ratio: 2.96 Failed <sup>5</sup>	Ratio: 2.08 Failed <sup>5</sup>	Ratio: 1.44 Failed <sup>5</sup>		Ratio: 1.40 Failed <sup>5</sup>	Ratio: 1.92 Failed <sup>5</sup>	Ratio: 2.56 Failed <sup>5</sup>
Hex(B09590)	Ratio: 6.91 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 2.36 Failed <sup>5</sup>	Ratio: 4.14 AA 18pt <sup>2</sup>	Ratio: 2.91 Failed <sup>5</sup>	Ratio: 2.01 Failed <sup>5</sup>	Ratio: 1.40 Failed <sup>5</sup>		Ratio: 1.37 Failed <sup>5</sup>	Ratio: 1.83 Failed <sup>5</sup>
Hex(CCB0AB)	Ratio: 9.49 Passed <sup>6</sup>	Ratio: 1.72 Failed <sup>5</sup>	Ratio: 5.68 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 4.00 AA 18pt <sup>2</sup>	Ratio: 2.76 Failed <sup>5</sup>	Ratio: 1.92 Failed <sup>5</sup>	Ratio: 1.37 Failed <sup>5</sup>		Ratio: 1.33 Failed <sup>5</sup>
Hex(E8CBC6)	Ratio: 12.63 Passed <sup>6</sup>	Ratio: 1.29 Failed <sup>5</sup>	Ratio: 7.56 Passed <sup>6</sup>	Ratio: 5.32 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 3.68 AA 18pt <sup>2</sup>	Ratio: 2.56 Failed <sup>5</sup>	Ratio: 1.83 Failed <sup>5</sup>	Ratio: 1.33 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.