

# Converting Colors - WCAG Matrix

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

Hex(7F7C63) Hex(66634B) Hex(4E4B34) Hex(36351F) Hex(212008) Hex(010800) Hex(000000)

	Hex(7F7C63)	Hex(66634B)	Hex(4E4B34)	Hex(36351F)	Hex(212008)	Hex(010800)	Hex(000000)
Hex(7F7C63)		<a href="#">Ratio: 1.44</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 2.09</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 2.95</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 3.90</a> <a href="#">AA 18pt<sup>2</sup></a>	<a href="#">Ratio: 4.79</a> <a href="#">AA<sup>1</sup></a> <a href="#">AAA 18pt<sup>4</sup></a>	<a href="#">Ratio: 4.97</a> <a href="#">AA<sup>1</sup></a> <a href="#">AAA 18pt<sup>4</sup></a>
Hex(66634B)	<a href="#">Ratio: 1.44</a> <a href="#">Failed<sup>5</sup></a>		<a href="#">Ratio: 1.45</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 2.05</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 2.71</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 3.33</a> <a href="#">AA 18pt<sup>2</sup></a>	<a href="#">Ratio: 3.45</a> <a href="#">AA 18pt<sup>2</sup></a>
Hex(4E4B34)	<a href="#">Ratio: 2.09</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.45</a> <a href="#">Failed<sup>5</sup></a>		<a href="#">Ratio: 1.41</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.87</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 2.30</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 2.38</a> <a href="#">Failed<sup>5</sup></a>
Hex(36351F)	<a href="#">Ratio: 2.95</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 2.05</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.41</a> <a href="#">Failed<sup>5</sup></a>		<a href="#">Ratio: 1.32</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.63</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.69</a> <a href="#">Failed<sup>5</sup></a>
Hex(212008)	<a href="#">Ratio: 3.90</a> <a href="#">AA 18pt<sup>2</sup></a>	<a href="#">Ratio: 2.71</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.87</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.32</a> <a href="#">Failed<sup>5</sup></a>		<a href="#">Ratio: 1.23</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.27</a> <a href="#">Failed<sup>5</sup></a>
Hex(010800)	<a href="#">Ratio: 4.79</a> <a href="#">AA<sup>1</sup></a> <a href="#">AAA 18pt<sup>4</sup></a>	<a href="#">Ratio: 3.33</a> <a href="#">AA 18pt<sup>2</sup></a>	<a href="#">Ratio: 2.30</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.63</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.23</a> <a href="#">Failed<sup>5</sup></a>		<a href="#">Ratio: 1.04</a> <a href="#">Failed<sup>5</sup></a>
Hex(000000)	<a href="#">Ratio: 4.97</a> <a href="#">AA<sup>1</sup></a> <a href="#">AAA 18pt<sup>4</sup></a>	<a href="#">Ratio: 3.45</a> <a href="#">AA 18pt<sup>2</sup></a>	<a href="#">Ratio: 2.38</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.69</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.27</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.04</a> <a href="#">Failed<sup>5</sup></a>	

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.

This PDF was generated on [convertingcolors.com](http://convertingcolors.com).