

# Converting Colors - WCAG Matrix

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

Hex(9A854D) Hex(7F6C35) Hex(65541E) Hex(4B3D06) Hex(332700) Hex(1B1300) Hex(000000)

	Hex(9A854D)	Hex(7F6C35)	Hex(65541E)	Hex(4B3D06)	Hex(332700)	Hex(1B1300)	Hex(000000)
Hex(9A854D)		<a href="#">Ratio: 1.42</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.05</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.96</a> Failed <sup>5</sup>	<a href="#">Ratio: 4.08</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 5.12</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>	<a href="#">Ratio: 5.84</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>
Hex(7F6C35)	<a href="#">Ratio: 1.42</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.44</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.08</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.86</a> Failed <sup>5</sup>	<a href="#">Ratio: 3.60</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 4.10</a> AA 18pt <sup>2</sup>
Hex(65541E)	<a href="#">Ratio: 2.05</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.44</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.44</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.98</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.49</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.84</a> Failed <sup>5</sup>
Hex(4B3D06)	<a href="#">Ratio: 2.96</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.08</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.44</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.38</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.73</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.97</a> Failed <sup>5</sup>
Hex(332700)	<a href="#">Ratio: 4.08</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 2.86</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.98</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.38</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.26</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.43</a> Failed <sup>5</sup>
Hex(1B1300)	<a href="#">Ratio: 5.12</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>	<a href="#">Ratio: 3.60</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 2.49</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.73</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.26</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.14</a> Failed <sup>5</sup>
Hex(000000)	<a href="#">Ratio: 5.84</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>	<a href="#">Ratio: 4.10</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 2.84</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.97</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.43</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.14</a> 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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