

# Converting Colors - WCAG Matrix

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

**Hex(1F1900) Hex(292100) Hex(161F00) Hex(0F0F0E) Hex(4F3F00) Hex(CFA500)**

	Hex(1F1900)	Hex(292100)	Hex(161F00)	Hex(0F0F0E)	Hex(4F3F00)	Hex(CFA500)
Hex(1F1900)		Ratio: <a href="#">1.10</a> Failed <sup>5</sup>	Ratio: <a href="#">1.03</a> Failed <sup>5</sup>	Ratio: <a href="#">1.09</a> Failed <sup>5</sup>	Ratio: <a href="#">1.71</a> Failed <sup>5</sup>	Ratio: <a href="#">7.55</a> Passed <sup>6</sup>
Hex(292100)	Ratio: <a href="#">1.10</a> Failed <sup>5</sup>		Ratio: <a href="#">1.07</a> Failed <sup>5</sup>	Ratio: <a href="#">1.20</a> Failed <sup>5</sup>	Ratio: <a href="#">1.56</a> Failed <sup>5</sup>	Ratio: <a href="#">6.89</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>
Hex(161F00)	Ratio: <a href="#">1.03</a> Failed <sup>5</sup>	Ratio: <a href="#">1.07</a> Failed <sup>5</sup>		Ratio: <a href="#">1.12</a> Failed <sup>5</sup>	Ratio: <a href="#">1.66</a> Failed <sup>5</sup>	Ratio: <a href="#">7.34</a> Passed <sup>6</sup>
Hex(0F0F0E)	Ratio: <a href="#">1.09</a> Failed <sup>5</sup>	Ratio: <a href="#">1.20</a> Failed <sup>5</sup>	Ratio: <a href="#">1.12</a> Failed <sup>5</sup>		Ratio: <a href="#">1.87</a> Failed <sup>5</sup>	Ratio: <a href="#">8.25</a> Passed <sup>6</sup>
Hex(4F3F00)	Ratio: <a href="#">1.71</a> Failed <sup>5</sup>	Ratio: <a href="#">1.56</a> Failed <sup>5</sup>	Ratio: <a href="#">1.66</a> Failed <sup>5</sup>	Ratio: <a href="#">1.87</a> Failed <sup>5</sup>		Ratio: <a href="#">4.42</a> AA 18pt <sup>2</sup>
Hex(CFA500)	Ratio: <a href="#">7.55</a> Passed <sup>6</sup>	Ratio: <a href="#">6.89</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: <a href="#">7.34</a> Passed <sup>6</sup>	Ratio: <a href="#">8.25</a> Passed <sup>6</sup>	Ratio: <a href="#">4.42</a> AA 18pt <sup>2</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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