

# Converting Colors - WCAG Matrix

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

**Hex(511403) Hex(691700) Hex(513B03) Hex(292625) Hex(E83300)**

	Hex(511403)	Hex(691700)	Hex(513B03)	Hex(292625)	Hex(E83300)
Hex(511403)		Ratio: <a href="#">1.19</a> Failed <sup>5</sup>	Ratio: <a href="#">1.36</a> Failed <sup>5</sup>	Ratio: <a href="#">1.04</a> Failed <sup>5</sup>	Ratio: <a href="#">3.38</a> AA 18pt <sup>2</sup>
Hex(691700)	Ratio: <a href="#">1.19</a> Failed <sup>5</sup>		Ratio: <a href="#">1.15</a> Failed <sup>5</sup>	Ratio: <a href="#">1.23</a> Failed <sup>5</sup>	Ratio: <a href="#">2.85</a> Failed <sup>5</sup>
Hex(513B03)	Ratio: <a href="#">1.36</a> Failed <sup>5</sup>	Ratio: <a href="#">1.15</a> Failed <sup>5</sup>		Ratio: <a href="#">1.41</a> Failed <sup>5</sup>	Ratio: <a href="#">2.48</a> Failed <sup>5</sup>
Hex(292625)	Ratio: <a href="#">1.04</a> Failed <sup>5</sup>	Ratio: <a href="#">1.23</a> Failed <sup>5</sup>	Ratio: <a href="#">1.41</a> Failed <sup>5</sup>		Ratio: <a href="#">3.51</a> AA 18pt <sup>2</sup>
Hex(E83300)	Ratio: <a href="#">3.38</a> AA 18pt <sup>2</sup>	Ratio: <a href="#">2.85</a> Failed <sup>5</sup>	Ratio: <a href="#">2.48</a> Failed <sup>5</sup>	Ratio: <a href="#">3.51</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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