

# Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.  
**Hex(523C0E) Hex(6B4800) Hex(47520E) Hex(292725) Hex(694700) Hex(E89D00)**

	Hex(523C0E)	Hex(6B4800)	Hex(47520E)	Hex(292725)	Hex(694700)	Hex(E89D00)
Hex(523C0E)		<a href="#">Ratio: 1.27</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 1.23</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 1.43</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 1.24</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 4.60</a> <a href="#">AA</a> <sup>1</sup> <a href="#">AAA 18pt</a> <sup>4</sup>
Hex(6B4800)	<a href="#">Ratio: 1.27</a> <a href="#">Failed</a> <sup>5</sup>		<a href="#">Ratio: 1.03</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 1.81</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 1.02</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 3.63</a> <a href="#">AA 18pt</a> <sup>2</sup>
Hex(47520E)	<a href="#">Ratio: 1.23</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 1.03</a> <a href="#">Failed</a> <sup>5</sup>		<a href="#">Ratio: 1.76</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 1.01</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 3.73</a> <a href="#">AA 18pt</a> <sup>2</sup>
Hex(292725)	<a href="#">Ratio: 1.43</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 1.81</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 1.76</a> <a href="#">Failed</a> <sup>5</sup>		<a href="#">Ratio: 1.77</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 6.56</a> <a href="#">AA</a> <sup>1</sup> <a href="#">AAA 18pt</a> <sup>4</sup>
Hex(694700)	<a href="#">Ratio: 1.24</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 1.02</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 1.01</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 1.77</a> <a href="#">Failed</a> <sup>5</sup>		<a href="#">Ratio: 3.70</a> <a href="#">AA 18pt</a> <sup>2</sup>
Hex(E89D00)	<a href="#">Ratio: 4.60</a> <a href="#">AA</a> <sup>1</sup> <a href="#">AAA 18pt</a> <sup>4</sup>	<a href="#">Ratio: 3.63</a> <a href="#">AA 18pt</a> <sup>2</sup>	<a href="#">Ratio: 3.73</a> <a href="#">AA 18pt</a> <sup>2</sup>	<a href="#">Ratio: 6.56</a> <a href="#">AA</a> <sup>1</sup> <a href="#">AAA 18pt</a> <sup>4</sup>	<a href="#">Ratio: 3.70</a> <a href="#">AA 18pt</a> <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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