

# Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.  
**Hex(EC0C00) Hex(CB0000) Hex(A90000) Hex(890000) Hex(690002) Hex(000000)**

	Hex(EC0C00)	Hex(CB0000)	Hex(A90000)	Hex(890000)	Hex(690002)	Hex(000000)
Hex(EC0C00)		<a href="#">Ratio: 1.31</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 1.72</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 2.24</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 2.88</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 4.62</a> <a href="#">AA</a> <sup>1</sup> <a href="#">AAA 18pt</a> <sup>4</sup>
Hex(CB0000)	<a href="#">Ratio: 1.31</a> <a href="#">Failed</a> <sup>5</sup>		<a href="#">Ratio: 1.32</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 1.72</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 2.21</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 3.54</a> <a href="#">AA 18pt</a> <sup>2</sup>
Hex(A90000)	<a href="#">Ratio: 1.72</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 1.32</a> <a href="#">Failed</a> <sup>5</sup>		<a href="#">Ratio: 1.30</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 1.68</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 2.69</a> <a href="#">Failed</a> <sup>5</sup>
Hex(890000)	<a href="#">Ratio: 2.24</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 1.72</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 1.30</a> <a href="#">Failed</a> <sup>5</sup>		<a href="#">Ratio: 1.29</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 2.06</a> <a href="#">Failed</a> <sup>5</sup>
Hex(690002)	<a href="#">Ratio: 2.88</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 2.21</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 1.68</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 1.29</a> <a href="#">Failed</a> <sup>5</sup>		<a href="#">Ratio: 1.60</a> <a href="#">Failed</a> <sup>5</sup>
Hex(000000)	<a href="#">Ratio: 4.62</a> <a href="#">AA</a> <sup>1</sup> <a href="#">AAA 18pt</a> <sup>4</sup>	<a href="#">Ratio: 3.54</a> <a href="#">AA 18pt</a> <sup>2</sup>	<a href="#">Ratio: 2.69</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 2.06</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 1.60</a> <a href="#">Failed</a> <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.