

# Converting Colors - WCAG Matrix

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

**Hex(D65A00) Hex(FF6B00) Hex(D6C500) Hex(6B6560) Hex(AB4700) Hex(2B1200)**

	Hex(D65A00)	Hex(FF6B00)	Hex(D6C500)	Hex(6B6560)	Hex(AB4700)	Hex(2B1200)
Hex(D65A00)		<a href="#">Ratio: 1.38</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.23</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.46</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.46</a> Failed <sup>5</sup>	<a href="#">Ratio: 4.47</a> AA 18pt <sup>2</sup>
Hex(FF6B00)	<a href="#">Ratio: 1.38</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.61</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.01</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.02</a> Failed <sup>5</sup>	<a href="#">Ratio: 6.18</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>
Hex(D6C500)	<a href="#">Ratio: 2.23</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.61</a> Failed <sup>5</sup>		<a href="#">Ratio: 3.24</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 3.26</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 9.96</a> Passed <sup>6</sup>
Hex(6B6560)	<a href="#">Ratio: 1.46</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.01</a> Failed <sup>5</sup>	<a href="#">Ratio: 3.24</a> AA 18pt <sup>2</sup>		<a href="#">Ratio: 1.01</a> Failed <sup>5</sup>	<a href="#">Ratio: 3.07</a> AA 18pt <sup>2</sup>
Hex(AB4700)	<a href="#">Ratio: 1.46</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.02</a> Failed <sup>5</sup>	<a href="#">Ratio: 3.26</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 1.01</a> Failed <sup>5</sup>		<a href="#">Ratio: 3.05</a> AA 18pt <sup>2</sup>
Hex(2B1200)	<a href="#">Ratio: 4.47</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 6.18</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>	<a href="#">Ratio: 9.96</a> Passed <sup>6</sup>	<a href="#">Ratio: 3.07</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 3.05</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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