

# Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.  
**Hex(0B6151) Hex(5B7D77) Hex(1C610B) Hex(2B403C) Hex(BFBFBF) Hex(404040)**

	Hex(0B6151)	Hex(5B7D77)	Hex(1C610B)	Hex(2B403C)	Hex(BFBFBF)	Hex(404040)
Hex(0B6151)		<a href="#">Ratio: 1.63</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.03</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.50</a> Failed <sup>5</sup>	<a href="#">Ratio: 4.02</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 1.40</a> Failed <sup>5</sup>
Hex(5B7D77)	<a href="#">Ratio: 1.63</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.68</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.44</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.46</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.29</a> Failed <sup>5</sup>
Hex(1C610B)	<a href="#">Ratio: 1.03</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.68</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.45</a> Failed <sup>5</sup>	<a href="#">Ratio: 4.13</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 1.36</a> Failed <sup>5</sup>
Hex(2B403C)	<a href="#">Ratio: 1.50</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.44</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.45</a> Failed <sup>5</sup>		<a href="#">Ratio: 6.01</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>	<a href="#">Ratio: 1.07</a> Failed <sup>5</sup>
Hex(BFBFBF)	<a href="#">Ratio: 4.02</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 2.46</a> Failed <sup>5</sup>	<a href="#">Ratio: 4.13</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 6.01</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>		<a href="#">Ratio: 5.64</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>
Hex(404040)	<a href="#">Ratio: 1.40</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.29</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.36</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.07</a> Failed <sup>5</sup>	<a href="#">Ratio: 5.64</a> AA <sup>1</sup> AAA 18pt <sup>4</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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