

# Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.  
**Hex(688959) Hex(7FB368) Hex(598962) Hex(40453E) Hex(298500) Hex(020500)**

	Hex(688959)	Hex(7FB368)	Hex(598962)	Hex(40453E)	Hex(298500)	Hex(020500)
Hex(688959)		<a href="#">Ratio: 1.61</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.03</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.48</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.19</a> Failed <sup>5</sup>	<a href="#">Ratio: 5.19</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>
Hex(7FB368)	<a href="#">Ratio: 1.61</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.65</a> Failed <sup>5</sup>	<a href="#">Ratio: 4.00</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 1.92</a> Failed <sup>5</sup>	<a href="#">Ratio: 8.35</a> Passed <sup>6</sup>
Hex(598962)	<a href="#">Ratio: 1.03</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.65</a> Failed <sup>5</sup>		<a href="#">Ratio: 2.42</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.16</a> Failed <sup>5</sup>	<a href="#">Ratio: 5.06</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>
Hex(40453E)	<a href="#">Ratio: 2.48</a> Failed <sup>5</sup>	<a href="#">Ratio: 4.00</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 2.42</a> Failed <sup>5</sup>		<a href="#">Ratio: 2.08</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.09</a> Failed <sup>5</sup>
Hex(298500)	<a href="#">Ratio: 1.19</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.92</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.16</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.08</a> Failed <sup>5</sup>		<a href="#">Ratio: 4.34</a> AA 18pt <sup>2</sup>
Hex(020500)	<a href="#">Ratio: 5.19</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>	<a href="#">Ratio: 8.35</a> Passed <sup>6</sup>	<a href="#">Ratio: 5.06</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>	<a href="#">Ratio: 2.09</a> Failed <sup>5</sup>	<a href="#">Ratio: 4.34</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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