

# Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.  
**Hex(654246) Hex(827577) Hex(614265) Hex(423A3B) Hex(C2C2C2) Hex(424242)**

<b>Hex(654246)</b>		<a href="#">Ratio: 1.97</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 1.02</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 1.27</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 4.87</a> <a href="#">AA</a> <sup>1</sup> <a href="#">AAA 18pt</a> <sup>4</sup>	<a href="#">Ratio: 1.16</a> <a href="#">Failed</a> <sup>5</sup>
<b>Hex(827577)</b>	<a href="#">Ratio: 1.97</a> <a href="#">Failed</a> <sup>5</sup>		<a href="#">Ratio: 1.92</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 2.51</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 2.48</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 2.28</a> <a href="#">Failed</a> <sup>5</sup>
<b>Hex(614265)</b>	<a href="#">Ratio: 1.02</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 1.92</a> <a href="#">Failed</a> <sup>5</sup>		<a href="#">Ratio: 1.30</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 4.76</a> <a href="#">AA</a> <sup>1</sup> <a href="#">AAA 18pt</a> <sup>4</sup>	<a href="#">Ratio: 1.18</a> <a href="#">Failed</a> <sup>5</sup>
<b>Hex(423A3B)</b>	<a href="#">Ratio: 1.27</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 2.51</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 1.30</a> <a href="#">Failed</a> <sup>5</sup>		<a href="#">Ratio: 6.21</a> <a href="#">AA</a> <sup>1</sup> <a href="#">AAA 18pt</a> <sup>4</sup>	<a href="#">Ratio: 1.10</a> <a href="#">Failed</a> <sup>5</sup>
<b>Hex(C2C2C2)</b>	<a href="#">Ratio: 4.87</a> <a href="#">AA</a> <sup>1</sup> <a href="#">AAA 18pt</a> <sup>4</sup>	<a href="#">Ratio: 2.48</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 4.76</a> <a href="#">AA</a> <sup>1</sup> <a href="#">AAA 18pt</a> <sup>4</sup>	<a href="#">Ratio: 6.21</a> <a href="#">AA</a> <sup>1</sup> <a href="#">AAA 18pt</a> <sup>4</sup>		<a href="#">Ratio: 5.64</a> <a href="#">AA</a> <sup>1</sup> <a href="#">AAA 18pt</a> <sup>4</sup>
<b>Hex(424242)</b>	<a href="#">Ratio: 1.16</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 2.28</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 1.18</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 1.10</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 5.64</a> <a href="#">AA</a> <sup>1</sup> <a href="#">AAA 18pt</a> <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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