

# Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.  
**Hex(2D3738) Hex(39494A) Hex(2D3238) Hex(191C1C) Hex(00545C) Hex(00C9DB)**

<b>Hex(2D3738)</b>		<a href="#">Ratio: 1.30</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 1.06</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 1.40</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 1.41</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 6.05</a> <a href="#">AA</a> <sup>1</sup> <a href="#">AAA 18pt</a> <sup>4</sup>
<b>Hex(39494A)</b>	<a href="#">Ratio: 1.30</a> <a href="#">Failed</a> <sup>5</sup>		<a href="#">Ratio: 1.37</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 1.82</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 1.09</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 4.66</a> <a href="#">AA</a> <sup>1</sup> <a href="#">AAA 18pt</a> <sup>4</sup>
<b>Hex(2D3238)</b>	<a href="#">Ratio: 1.06</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 1.37</a> <a href="#">Failed</a> <sup>5</sup>		<a href="#">Ratio: 1.33</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 1.49</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 6.39</a> <a href="#">AA</a> <sup>1</sup> <a href="#">AAA 18pt</a> <sup>4</sup>
<b>Hex(191C1C)</b>	<a href="#">Ratio: 1.40</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 1.82</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 1.33</a> <a href="#">Failed</a> <sup>5</sup>		<a href="#">Ratio: 1.98</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 8.48</a> <a href="#">Passed</a> <sup>6</sup>
<b>Hex(00545C)</b>	<a href="#">Ratio: 1.41</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 1.09</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 1.49</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 1.98</a> <a href="#">Failed</a> <sup>5</sup>		<a href="#">Ratio: 4.28</a> <a href="#">AA 18pt</a> <sup>2</sup>
<b>Hex(00C9DB)</b>	<a href="#">Ratio: 6.05</a> <a href="#">AA</a> <sup>1</sup> <a href="#">AAA 18pt</a> <sup>4</sup>	<a href="#">Ratio: 4.66</a> <a href="#">AA</a> <sup>1</sup> <a href="#">AAA 18pt</a> <sup>4</sup>	<a href="#">Ratio: 6.39</a> <a href="#">AA</a> <sup>1</sup> <a href="#">AAA 18pt</a> <sup>4</sup>	<a href="#">Ratio: 8.48</a> <a href="#">Passed</a> <sup>6</sup>	<a href="#">Ratio: 4.28</a> <a href="#">AA 18pt</a> <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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