

# Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.  
**Hex(00666D) Hex(004E55) Hex(00373E) Hex(002228) Hex(000114) Hex(000000)**

	Hex(00666D)	Hex(004E55)	Hex(00373E)	Hex(002228)	Hex(000114)	Hex(000000)
Hex(00666D)		<a href="#">Ratio: 1.41</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 1.93</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 2.48</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 3.08</a> <a href="#">AA 18pt</a> <sup>2</sup>	<a href="#">Ratio: 3.12</a> <a href="#">AA 18pt</a> <sup>2</sup>
Hex(004E55)	<a href="#">Ratio: 1.41</a> <a href="#">Failed</a> <sup>5</sup>		<a href="#">Ratio: 1.37</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 1.76</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 2.19</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 2.22</a> <a href="#">Failed</a> <sup>5</sup>
Hex(00373E)	<a href="#">Ratio: 1.93</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 1.37</a> <a href="#">Failed</a> <sup>5</sup>		<a href="#">Ratio: 1.28</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 1.59</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 1.62</a> <a href="#">Failed</a> <sup>5</sup>
Hex(002228)	<a href="#">Ratio: 2.48</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 1.76</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 1.28</a> <a href="#">Failed</a> <sup>5</sup>		<a href="#">Ratio: 1.24</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 1.26</a> <a href="#">Failed</a> <sup>5</sup>
Hex(000114)	<a href="#">Ratio: 3.08</a> <a href="#">AA 18pt</a> <sup>2</sup>	<a href="#">Ratio: 2.19</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 1.59</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 1.24</a> <a href="#">Failed</a> <sup>5</sup>		<a href="#">Ratio: 1.01</a> <a href="#">Failed</a> <sup>5</sup>
Hex(000000)	<a href="#">Ratio: 3.12</a> <a href="#">AA 18pt</a> <sup>2</sup>	<a href="#">Ratio: 2.22</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 1.62</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 1.26</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 1.01</a> <a href="#">Failed</a> <sup>5</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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