

# Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.  
**Hex(3A7F47) Hex(3AA64F) Hex(3A7F69) Hex(39403B) Hex(008019) Hex(000000)**

	Hex(3A7F47)	Hex(3AA64F)	Hex(3A7F69)	Hex(39403B)	Hex(008019)	Hex(000000)
Hex(3A7F47)		<a href="#">Ratio: 1.57</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 1.03</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 2.19</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 1.05</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 4.31</a> <a href="#">AA 18pt</a> <sup>2</sup>
Hex(3AA64F)	<a href="#">Ratio: 1.57</a> <a href="#">Failed</a> <sup>5</sup>		<a href="#">Ratio: 1.53</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 3.42</a> <a href="#">AA 18pt</a> <sup>2</sup>	<a href="#">Ratio: 1.64</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 6.75</a> <a href="#">AA</a> <sup>1</sup> <a href="#">AAA 18pt</a> <sup>4</sup>
Hex(3A7F69)	<a href="#">Ratio: 1.03</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 1.53</a> <a href="#">Failed</a> <sup>5</sup>		<a href="#">Ratio: 2.24</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 1.08</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 4.42</a> <a href="#">AA 18pt</a> <sup>2</sup>
Hex(39403B)	<a href="#">Ratio: 2.19</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 3.42</a> <a href="#">AA 18pt</a> <sup>2</sup>	<a href="#">Ratio: 2.24</a> <a href="#">Failed</a> <sup>5</sup>		<a href="#">Ratio: 2.08</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 1.97</a> <a href="#">Failed</a> <sup>5</sup>
Hex(008019)	<a href="#">Ratio: 1.05</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 1.64</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 1.08</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 2.08</a> <a href="#">Failed</a> <sup>5</sup>		<a href="#">Ratio: 4.10</a> <a href="#">AA 18pt</a> <sup>2</sup>
Hex(000000)	<a href="#">Ratio: 4.31</a> <a href="#">AA 18pt</a> <sup>2</sup>	<a href="#">Ratio: 6.75</a> <a href="#">AA</a> <sup>1</sup> <a href="#">AAA 18pt</a> <sup>4</sup>	<a href="#">Ratio: 4.42</a> <a href="#">AA 18pt</a> <sup>2</sup>	<a href="#">Ratio: 1.97</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 4.10</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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