

# Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.  
**Hex(C16670) Hex(FA6B7B) Hex(66C189) Hex(615758) Hex(A10012) Hex(210004)**

	Hex(C16670)	Hex(FA6B7B)	Hex(66C189)	Hex(615758)	Hex(A10012)	Hex(210004)
Hex(C16670)		Ratio: <a href="#">1.38</a> Failed <sup>5</sup>	Ratio: <a href="#">1.77</a> Failed <sup>5</sup>	Ratio: <a href="#">1.79</a> Failed <sup>5</sup>	Ratio: <a href="#">2.14</a> Failed <sup>5</sup>	Ratio: <a href="#">5.07</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>
Hex(FA6B7B)	Ratio: <a href="#">1.38</a> Failed <sup>5</sup>		Ratio: <a href="#">1.28</a> Failed <sup>5</sup>	Ratio: <a href="#">2.47</a> Failed <sup>5</sup>	Ratio: <a href="#">2.95</a> Failed <sup>5</sup>	Ratio: <a href="#">6.99</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>
Hex(66C189)	Ratio: <a href="#">1.77</a> Failed <sup>5</sup>	Ratio: <a href="#">1.28</a> Failed <sup>5</sup>		Ratio: <a href="#">3.17</a> AA 18pt <sup>2</sup>	Ratio: <a href="#">3.79</a> AA 18pt <sup>2</sup>	Ratio: <a href="#">8.96</a> Passed <sup>6</sup>
Hex(615758)	Ratio: <a href="#">1.79</a> Failed <sup>5</sup>	Ratio: <a href="#">2.47</a> Failed <sup>5</sup>	Ratio: <a href="#">3.17</a> AA 18pt <sup>2</sup>		Ratio: <a href="#">1.19</a> Failed <sup>5</sup>	Ratio: <a href="#">2.82</a> Failed <sup>5</sup>
Hex(A10012)	Ratio: <a href="#">2.14</a> Failed <sup>5</sup>	Ratio: <a href="#">2.95</a> Failed <sup>5</sup>	Ratio: <a href="#">3.79</a> AA 18pt <sup>2</sup>	Ratio: <a href="#">1.19</a> Failed <sup>5</sup>		Ratio: <a href="#">2.37</a> Failed <sup>5</sup>
Hex(210004)	Ratio: <a href="#">5.07</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: <a href="#">6.99</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: <a href="#">8.96</a> Passed <sup>6</sup>	Ratio: <a href="#">2.82</a> Failed <sup>5</sup>	Ratio: <a href="#">2.37</a> Failed <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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