

# Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.

Hex(F8C3A) Hex(FFDCC4) Hex(FF3AB0) Hex(806B5C) Hex(000000) Hex(808080)

	Hex(F8C3A)	Hex(FFDCC4)	Hex(FF3AB0)	Hex(806B5C)	Hex(000000)	Hex(808080)
Hex(F8C3A)		<a href="#">Ratio: 1.81</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.40</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.17</a> Failed <sup>5</sup>	<a href="#">Ratio: 9.06</a> Passed <sup>6</sup>	<a href="#">Ratio: 1.70</a> Failed <sup>5</sup>
Hex(FFDCC4)	<a href="#">Ratio: 1.81</a> Failed <sup>5</sup>		<a href="#">Ratio: 2.53</a> Failed <sup>5</sup>	<a href="#">Ratio: 3.93</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 16.39</a> Passed <sup>6</sup>	<a href="#">Ratio: 3.08</a> AA 18pt <sup>2</sup>
Hex(FF3AB0)	<a href="#">Ratio: 1.40</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.53</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.55</a> Failed <sup>5</sup>	<a href="#">Ratio: 6.48</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>	<a href="#">Ratio: 1.22</a> Failed <sup>5</sup>
Hex(806B5C)	<a href="#">Ratio: 2.17</a> Failed <sup>5</sup>	<a href="#">Ratio: 3.93</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 1.55</a> Failed <sup>5</sup>		<a href="#">Ratio: 4.18</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 1.27</a> Failed <sup>5</sup>
Hex(000000)	<a href="#">Ratio: 9.06</a> Passed <sup>6</sup>	<a href="#">Ratio: 16.39</a> Passed <sup>6</sup>	<a href="#">Ratio: 6.48</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>	<a href="#">Ratio: 4.18</a> AA 18pt <sup>2</sup>		<a href="#">Ratio: 5.32</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>
Hex(808080)	<a href="#">Ratio: 1.70</a> Failed <sup>5</sup>	<a href="#">Ratio: 3.08</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 1.22</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.27</a> Failed <sup>5</sup>	<a href="#">Ratio: 5.32</a> AA <sup>1</sup> AAA 18pt <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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