

# Converting Colors - WCAG Matrix

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

**Hex(0299C0) Hex(AFEBFA) Hex(02C028) Hex(50747D) Hex(FCFCFC) Hex(7D7D7D)**

	Hex(0299C0)	Hex(AFEBFA)	Hex(02C028)	Hex(50747D)	Hex(FCFCFC)	Hex(7D7D7D)
Hex(0299C0)		<a href="#">Ratio: 2.55</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.36</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.53</a> Failed <sup>5</sup>	<a href="#">Ratio: 3.24</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 1.24</a> Failed <sup>5</sup>
Hex(AFEBFA)	<a href="#">Ratio: 2.55</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.88</a> Failed <sup>5</sup>	<a href="#">Ratio: 3.89</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 1.27</a> Failed <sup>5</sup>	<a href="#">Ratio: 3.15</a> AA 18pt <sup>2</sup>
Hex(02C028)	<a href="#">Ratio: 1.36</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.88</a> Failed <sup>5</sup>		<a href="#">Ratio: 2.07</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.39</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.68</a> Failed <sup>5</sup>
Hex(50747D)	<a href="#">Ratio: 1.53</a> Failed <sup>5</sup>	<a href="#">Ratio: 3.89</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 2.07</a> Failed <sup>5</sup>		<a href="#">Ratio: 4.95</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>	<a href="#">Ratio: 1.23</a> Failed <sup>5</sup>
Hex(FCFCFC)	<a href="#">Ratio: 3.24</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 1.27</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.39</a> Failed <sup>5</sup>	<a href="#">Ratio: 4.95</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>		<a href="#">Ratio: 4.01</a> AA 18pt <sup>2</sup>
Hex(7D7D7D)	<a href="#">Ratio: 1.24</a> Failed <sup>5</sup>	<a href="#">Ratio: 3.15</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 1.68</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.23</a> Failed <sup>5</sup>	<a href="#">Ratio: 4.01</a> AA 18pt <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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