

# Converting Colors - WCAG Matrix

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

**Hex(A6CDFF) Hex(E3EFFF) Hex(A6FFD7) Hex(6F7680) Hex(000000) Hex(808080)**

	Hex(A6CDFF)	Hex(E3EFFF)	Hex(A6FFD7)	Hex(6F7680)	Hex(000000)	Hex(808080)
Hex(A6CDFF)		<a href="#">Ratio: 1.41</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.40</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.79</a> Failed <sup>5</sup>	<a href="#">Ratio: 12.80</a> Passed <sup>6</sup>	<a href="#">Ratio: 2.41</a> Failed <sup>5</sup>
Hex(E3EFFF)	<a href="#">Ratio: 1.41</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.01</a> Failed <sup>5</sup>	<a href="#">Ratio: 3.94</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 18.06</a> Passed <sup>6</sup>	<a href="#">Ratio: 3.40</a> AA 18pt <sup>2</sup>
Hex(A6FFD7)	<a href="#">Ratio: 1.40</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.01</a> Failed <sup>5</sup>		<a href="#">Ratio: 3.91</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 17.91</a> Passed <sup>6</sup>	<a href="#">Ratio: 3.37</a> AA 18pt <sup>2</sup>
Hex(6F7680)	<a href="#">Ratio: 2.79</a> Failed <sup>5</sup>	<a href="#">Ratio: 3.94</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 3.91</a> AA 18pt <sup>2</sup>		<a href="#">Ratio: 4.58</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>	<a href="#">Ratio: 1.16</a> Failed <sup>5</sup>
Hex(000000)	<a href="#">Ratio: 12.80</a> Passed <sup>6</sup>	<a href="#">Ratio: 18.06</a> Passed <sup>6</sup>	<a href="#">Ratio: 17.91</a> Passed <sup>6</sup>	<a href="#">Ratio: 4.58</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>		<a href="#">Ratio: 5.32</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>
Hex(808080)	<a href="#">Ratio: 2.41</a> Failed <sup>5</sup>	<a href="#">Ratio: 3.40</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 3.37</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 1.16</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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