

Converting Colors

CIELCh(84, 49.301, 175.753)

Have a look what the booklet for
CIELCh(84, 49.301, 175.753)
contains.

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Color

CIELCh(84, 49.090, 175.946)

Conversions

Conversions Part 1

Format	Color
Hex	47E9C9
RGB	71, 233, 201
RGB Percent	28%, 91%, 79%
CMY	0.7233, 0.0847, 0.2102
CMYK	0.70, 0.00, 0.14, 0.08
HSL	168°, 79%, 60%
HSV	168°, 70%, 92%
XYZ	42.4080, 64.0658, 65.6286
YIQ	180.9140, -86.2800, -44.2960

Conversions

Conversions Part 2

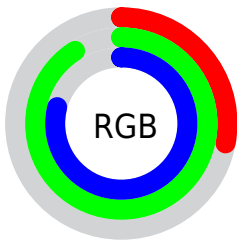
Format	Color
RYB	71, 161, 233
Decimal	4712905
CIELab	84.00, -48.97, 3.47
CIELCh	84, 49.090, 175.946
Yxy	64.0658, 0.2464, 0.3723
Android (android.graphics.Color)	4282902985 (0xFF47E9C9)
YUV	180.9140, 9.9024, -96.3946
Hunter-Lab	80.0411, -45.4976, 7.4148

Details

The CIELCh color **84, 49.090, 175.946** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted cyan. A complement of this color would be **55, 66.748, 16.252**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 34.470, 197.301**, and **64, 44.997, 174.632** is the 20% darker color. If you saturate the color by 10%, you get **84, 52.975, 174.434**, and if you desaturate by 10%, it is **85, 44.226, 177.308**.

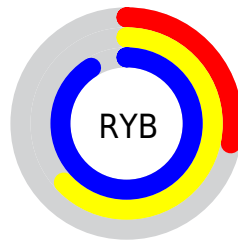
Distribution



Red (28%)

Green (91%)

Blue (79%)



Red (28%)

Yellow (63%)

Blue (91%)

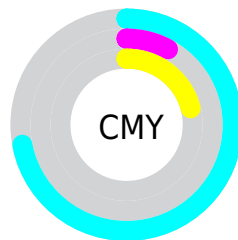


Cyan (70%)

Magenta (0%)

Yellow (14%)

Black (8%)



Cyan (72%)

Magenta (8%)


Yellow (21%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 84, 49.090, 175.946 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 84, 49.090, 175.946 by changing the saturation by 10% instead.


 84, 49.090,
175.946


 84, 49.090,
175.946


 100, 49.090,
175.946


 74, 49.090,
175.946

 64, 49.090,
175.946

 54, 49.090,
175.946

 44, 49.090,
175.946

 34, 49.090,
175.946

 24, 49.090,
175.946

 14, 49.090,

175.946

■ 4, 49.090, 175.946

■ 0, 49.090, 175.946

■ 84, 49.090,
175.946

■ 84, 49.090,
175.946

■ 84, 52.975,
174.434

■ 85, 44.226,
177.308

■ 83, 55.907,
172.755

■ 85, 38.432,
178.546

■ 83, 58.067,
170.932

■ 87, 31.809,
179.683

■ 83, 58.114,
170.890

■ 88, 24.489,
180.740

■ 89, 16.620,

181.737

■ 91, 8.345, 182.705

■ 93, 0.204, 0.709

■ 94, 8.116, 2.657

■ 94, 9.070, 348.303

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



84, 49.090, 175.946



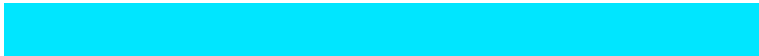
55, 66.748, 16.252

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84, 49.090, 175.946



84, 49.090, 225.946



84, 49.090, 355.946



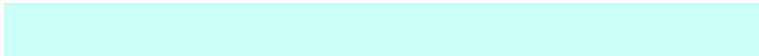
84, 49.090, 45.946

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



84, 49.090, 175.945



96, 18.919, 181.607



83, 91.436, 134.676



51, 12.733, 181.334



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



84, 49.090, 175.945



90, 58.217, 173.677



71, 37.604, 243.633



48, 4.874, 182.734



66, 47.851, 171.218



19, 19.762, 174.253

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



55, 66.748, 16.252



56, 83.553, 22.466



63, 61.413, 48.790



46, 5.063, 4.331



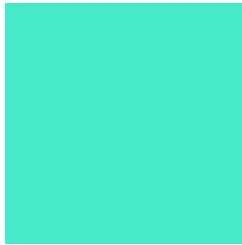
38, 71.965, 29.619



7, 27.913, 14.590

Previews

White Background



This preview shows how the CIE LCh color 84, 49.090, 175.946 looks on a white background.

Color Contrast Check

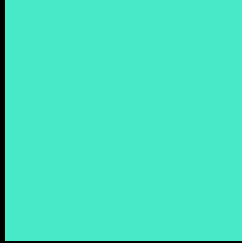
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 84, 49.090, 175.946 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

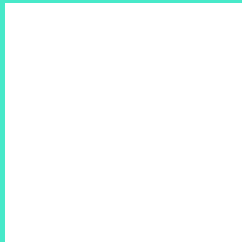
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 84, 49.090, 175.946

Background



This preview shows how black text looks on a background with the CIELCh color 84, 49.090, 175.946.

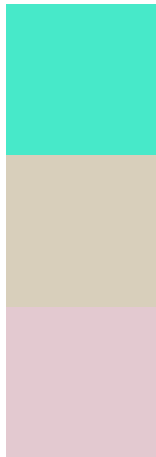


This preview shows how white text looks on a background with the CIELCh color 84, 49.090, 175.946.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

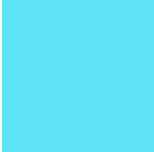
84, 48.958, 175.899

Protanopia

83, 11.047, 91.240

Deuteranopia

83, 10.278, 359.189

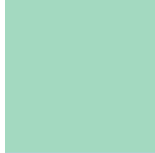


Tritanopia
84, 36.982, 213.070

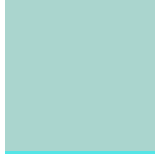
Trichromacy



Original Color
84, 48.958, 175.899



Protanomaly
82, 23.435, 163.403



Deuteranomaly
82, 15.485, 184.402

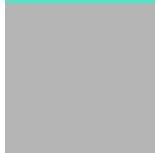


Tritanomaly
84, 39.470, 197.589

Monochromacy



Original Color
84, 48.958, 175.899



Achromatopsia
74, 0.009, 296.813



Achromatomaly
76, 21.521, 180.259

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 49.090, 175.946 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(71, 233, 201)` looks like.

```
.text, #text, p{  
    color:rgb(71, 233, 201)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(71, 233, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 233, 201) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 49.090, 175.946 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(71, 233, 201) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(71, 233, 201) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(71, 233, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 233, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 233, 201);  
box-shadow:4px 4px 4px 4px rgb(71, 233,  
201) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 49.090, 175.946 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 233, 201) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(71, 233,  
201) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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