

Converting Colors

CIELCh(90, 51.315, 179.770)

Have a look what the booklet for
CIELCh(90, 51.315, 179.770)
contains.

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Color

CIELCh(90, 51.388, 179.641)

Conversions

Conversions Part 1

Format	Color
Hex	44FCE0
RGB	68, 252, 224
RGB Percent	27%, 99%, 88%
CMY	0.7327, 0.0114, 0.1212
CMYK	0.73, 0.00, 0.11, 0.01
HSL	171°, 97%, 63%
HSV	171°, 73%, 99%
XYZ	50.7028, 76.3034, 82.6430
YIQ	193.7920, -100.6760, -47.7160

Conversions

Conversions Part 2

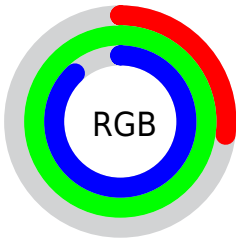
Format	Color
RYB	68, 168, 252
Decimal	4521184
CIELab	90.00, -51.39, 0.32
CIELCh	90, 51.388, 179.641
Yxy	76.3034, 0.2418, 0.3640
Android (android.graphics.Color)	4282711264 (0xFF44FCE0)
YUV	193.7920, 14.8925, -110.3196
Hunter-Lab	87.3518, -49.2565, 5.0523

Details

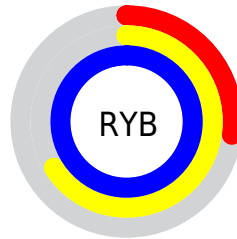
The CIELCh color **90, 51.388, 179.641** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light washed cyan. A complement of this color would be **58, 74.925, 21.030**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 34.015, 197.328**, and **70, 46.359, 178.645** is the 20% darker color. If you saturate the color by 10%, you get **90, 54.725, 178.276**, and if you desaturate by 10%, it is **91, 46.986, 180.877**.

Distribution



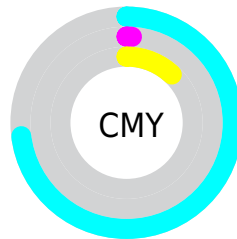
- Red (27%)
- Green (99%)
- Blue (88%)



- Red (27%)
- Yellow (66%)
- Blue (99%)



- Cyan (73%)
- Magenta (0%)
- Yellow (11%)
- Black (1%)





- Cyan (73%)
- Magenta (1%)
- Yellow (12%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 51.388, 179.641 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 90, 51.388, 179.641 by changing the saturation by 10% instead.


 90, 51.388,
179.641


 90, 51.388,
179.641


 100, 51.388,
179.641


 80, 51.388,
179.641

 70, 51.388,
179.641

 60, 51.388,
179.641

 50, 51.388,
179.641

 40, 51.388,
179.641

 30, 51.388,
179.641

 20, 51.388,

179.641

■ 10, 51.388,
179.641

■ 0, 51.388, 179.641

■ 90, 51.388,
179.641

■ 90, 51.388,
179.641

■ 90, 54.725,
178.276

■ 91, 46.986,
180.877

■ 89, 57.063,
176.768

■ 91, 41.538,
182.009

■ 89, 58.258,
175.637

■ 92, 35.129,
183.059

■ 94, 27.887,
184.045

■ 95, 19.960,
184.986

■ 97, 11.505,
185.901

■ 98, 2.668, 186.940

■ 99, 1.726, 326.200

■ 99, 1.808, 324.334

Harmonies

Complementary

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



90, 51.388, 179.641



58, 74.925, 21.030

Rectangle

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



90, 51.388, 179.641



90, 51.388, 229.641



90, 51.388, 359.641



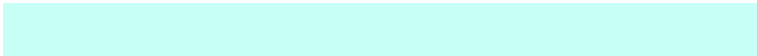
90, 51.388, 49.641

Sweetspot

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



90, 51.388, 179.640



96, 19.345, 185.073



88, 101.283, 135.179



51, 12.913, 184.822



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



90, 51.388, 179.640



90, 56.520, 177.527



73, 42.403, 250.389



51, 5.039, 186.222



69, 46.706, 175.942



22, 20.644, 178.172

Inverse Universe

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



58, 74.925, 21.030



55, 88.564, 27.870



67, 68.065, 51.377



49, 5.261, 7.753



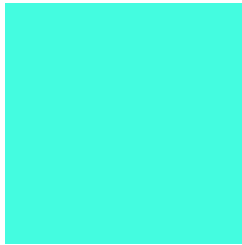
39, 76.552, 32.883



9, 31.228, 19.902

Previews

White Background



This preview shows how the CIE LCh color 90, 51.388, 179.641 looks on a white background.

Color Contrast Check

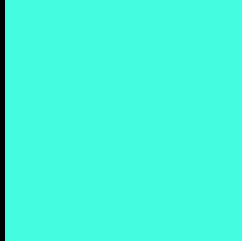
Large Text (above 18pt) WCAG AA × Fail

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 90, 51.388, 179.641 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 90, 51.388, 179.641

Background



This preview shows how black text looks on a background with the CIELCh color 90, 51.388, 179.641.

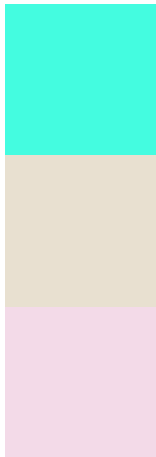


This preview shows how white text looks on a background with the CIELCh color 90, 51.388, 179.641.

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

90, 51.388, 179.641

Protanopia

89, 8.790, 89.804

Deuteranopia

89, 11.579, 341.336



Tritanopia
90, 29.191, 213.344

Trichromacy



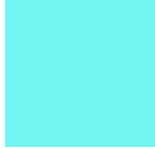
Original Color
90, 51.388, 179.641



Protanomaly
88, 23.867, 171.823



Deuteranomaly
88, 17.146, 196.519

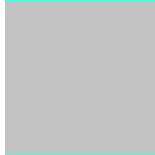


Tritanomaly
89, 36.726, 197.092

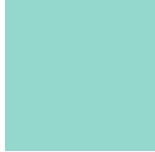
Monochromacy



Original Color
90, 51.388, 179.641



Achromatopsia
78, 0.009, 296.813



Achromatomaly
81, 23.277, 184.496

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 51.388, 179.641 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(68, 252, 224)` looks like.

```
.text, #text, p{  
    color:rgb(68, 252, 224)  
}
```

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(68, 252, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 252, 224) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 51.388, 179.641 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(68, 252, 224) }
```

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

```
.border{ border-color:rgb(68, 252, 224) }
```

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

Here you see how a box with a 4 pixel rgb(68, 252, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 252, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 252, 224);  
box-shadow:4px 4px 4px 4px rgb(68, 252,  
224) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 51.388, 179.641 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 252, 224) }
```

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

```
.background{ background-color: rgb(68, 252,  
224) }
```

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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