

Converting Colors

CIELCh(100, 73.268, 160.680)

Have a look what the booklet for
CIELCh(100, 73.268, 160.680)
contains.

CIELCh(90, 57.775, 169.144)	3
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Color

CIELCh(90, 57.775, 169.144)

Conversions

Conversions Part 1

Format	Color
Hex	46FECC
RGB	70, 254, 204
RGB Percent	27%, 100%, 80%
CMY	0.7253, 0.0053, 0.2011
CMYK	0.72, 0.00, 0.20, 0.01
HSL	164°, 99%, 63%
HSV	164°, 72%, 99%
XYZ	48.7208, 76.3034, 69.1075
YIQ	193.2840, -93.6140, -54.5580

Conversions

Conversions Part 2

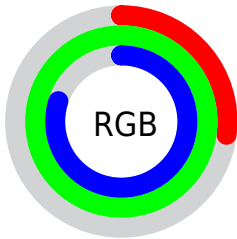
Format	Color
RYB	70, 176, 254
Decimal	4652748
CIELab	90.00, -56.74, 10.88
CIElCh	90, 57.775, 169.144
Yxy	76.3034, 0.2510, 0.3930
Android (android.graphics.Color)	4282842828 (0xFF46FECC)
YUV	193.2840, 5.2830, -108.1201
Hunter-Lab	87.3518, -53.3065, 14.2396

Details

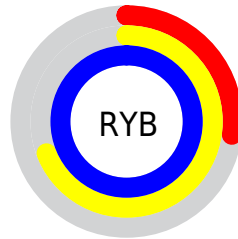
The CIELCh color **90, 57.775, 169.144** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **59, 72.747, 11.305**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 33.784, 197.342**, and **71, 53.382, 167.388** is the 20% darker color. If you saturate the color by 10%, you get **90, 62.411, 167.339**, and if you desaturate by 10%, it is **91, 52.117, 170.758**.

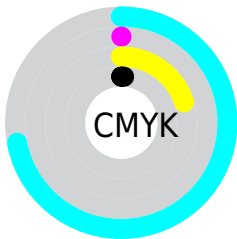
Distribution



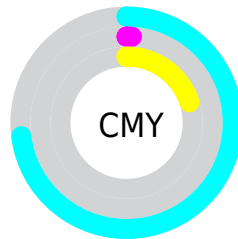
- Red (27%)
- Green (100%)
- Blue (80%)



- Red (27%)
- Yellow (69%)
- Blue (100%)



- Cyan (72%)
- Magenta (0%)
- Yellow (20%)
- Black (1%)




- Cyan (73%)
- Magenta (1%)
- Yellow (20%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 57.775, 169.144 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, 57.775, 169.144 by changing the saturation by 10% instead.


 90, 57.775,
169.144


 90, 57.775,
169.144

 100, 57.775,
169.144


 80, 57.775,
169.144

 70, 57.775,
169.144

 60, 57.775,
169.144


 50, 57.775,
169.144

 40, 57.775,
169.144


 30, 57.775,
169.144


 20, 57.775,


169.144


 10, 57.775,
169.144


 0, 57.775, 169.144


 90, 57.775,
169.144


 90, 57.775,
169.144


 90, 62.411,
167.339

 91, 52.117,
170.758

 89, 66.069,
165.336

 92, 45.478,
172.205

 89, 68.355,
163.714

 93, 37.966,
173.510

 94, 29.729,
174.698

95, 20.928,
175.793

97, 11.726,
176.823

99, 2.269, 177.973

100, 0.853,
324.109

Harmonies

Complementary

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



90, 57.775, 169.144



59, 72.747, 11.305

Rectangle

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



90, 57.775, 169.144



90, 57.775, 219.144



90, 57.775, 349.144



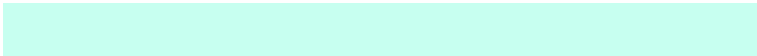
90, 57.775, 39.144

Sweetspot

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



90, 57.775, 169.143



96, 20.674, 175.833



90, 98.210, 132.700



51, 13.831, 175.544



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, 57.775, 169.143



90, 64.485, 166.433



80, 39.603, 230.154



52, 5.423, 177.115



69, 54.952, 164.107



23, 24.242, 167.002

Inverse Universe

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



59, 72.747, 11.305



55, 83.065, 17.715



64, 71.578, 42.774



50, 5.590, 358.789



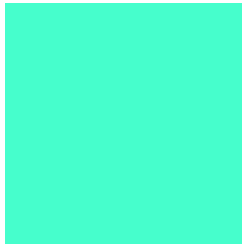
40, 71.719, 23.751



10, 31.587, 14.630

Previews

White Background



This preview shows how the CIE LCh color 90, 57.775, 169.144 looks on a white background.

Color Contrast Check

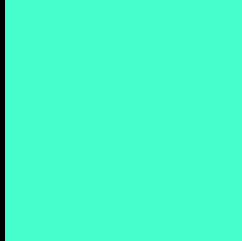
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 90, 57.775, 169.144 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, 57.775, 169.144

Background



This preview shows how black text looks on a background with the CIELCh color 90, 57.775, 169.144.

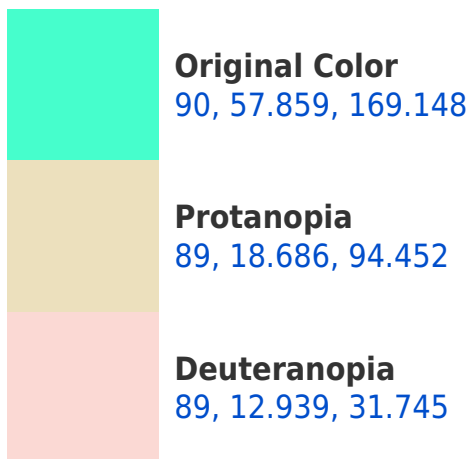



This preview shows how white text looks on a background with the CIELCh color 90, 57.775, 169.144.

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



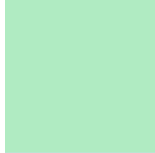


Tritanopia
90, 28.724, 213.630

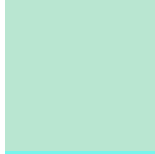
Trichromacy



Original Color
90, 57.859, 169.148



Protanomaly
88, 30.156, 152.514



Deuteranomaly
88, 19.430, 163.740

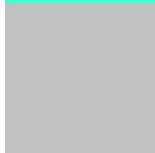


Tritanomaly
90, 37.737, 189.807

Monochromacy



Original Color
90, 57.859, 169.148



Achromatopsia
78, 0.009, 296.813



Achromatomaly
81, 25.043, 175.108

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 57.775, 169.144 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(70, 254, 204)` looks like.

```
.text, #text, p{  
    color:rgb(70, 254, 204)  
}
```

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(70, 254, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 254, 204) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 57.775, 169.144 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(70, 254, 204) }
```

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

```
.border{ border-color:rgb(70, 254, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 254, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 254, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 254, 204);  
box-shadow:4px 4px 4px 4px rgb(70, 254,  
204) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 57.775, 169.144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 254, 204) }
```

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

```
.background{ background-color: rgb(70, 254,  
204) }
```

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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