

Converting Colors

CIELCh(90, 85.505, 114.883)

Have a look what the booklet for
CIELCh(90, 85.505, 114.883)
contains.

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Color

CIELCh(90, 85.429, 114.949)

Conversions

Conversions Part 1

Format	Color
Hex	C9F23B
RGB	201, 242, 59
RGB Percent	79%, 95%, 23%
CMY	0.2114, 0.0506, 0.7682
CMYK	0.17, 0.00, 0.76, 0.05
HSL	73°, 88%, 59%
HSV	73°, 76%, 95%
XYZ	56.6822, 76.3034, 15.8918
YIQ	208.8790, 34.3070, -65.6050

Conversions

Conversions Part 2

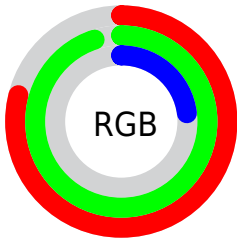
Format	Color
RYB	59, 242, 100
Decimal	13234747
CIELab	90.00, -36.03, 77.46
CIELCh	90, 85.429, 114.949
Yxy	76.3034, 0.3807, 0.5125
Android (android.graphics.Color)	4291424827 (0xFFC9F23B)
YUV	208.8790, -73.8903, -6.9099
Hunter-Lab	87.3518, -37.0378, 50.3597

Details

The CIELCh color **90, 85.429, 114.949** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light washed yellow. A complement of this color would be **42, 105.496, 306.373**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 65.737, 105.148**, and **70, 79.076, 116.393** is the 20% darker color. If you saturate the color by 10%, you get **90, 91.622, 115.179**, and if you desaturate by 10%, it is **90, 77.039, 115.070**.

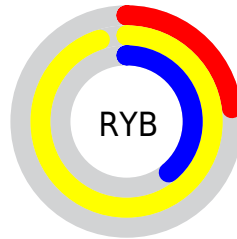
Distribution



Red (79%)

Green (95%)

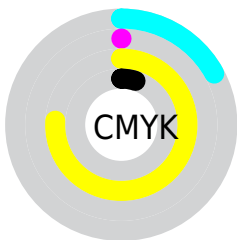
Blue (23%)



Red (23%)

Yellow (95%)

Blue (39%)

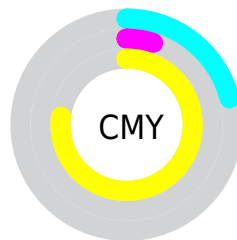


Cyan (17%)

Magenta (0%)

Yellow (76%)

Black (5%)



Cyan (21%)


Magenta (5%)


Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 85.429, 114.949 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, 85.429, 114.949 by changing the saturation by 10% instead.


 90, 85.429,
114.949


 90, 85.429,
114.949


 100, 85.429,
114.949


 80, 85.429,
114.949

 70, 85.429,
114.949

 60, 85.429,
114.949

 50, 85.429,
114.949

 40, 85.429,
114.949

 30, 85.429,
114.949

 20, 85.429,

114.949

■ 10, 85.429,
114.949

■ 0, 85.429, 114.949

■ 90, 85.429,
114.949

■ 90, 85.429,
114.949

■ 90, 91.622,
115.179

■ 90, 77.039,
115.070

■ 89, 95.256,
115.830

■ 91, 67.032,
115.434

■ 89, 96.282,
116.212

■ 92, 55.941,
115.956

■ 92, 44.165,
116.569

■ 93, 31.974,
117.225

■ 94, 19.549,
117.896

■ 95, 7.010, 118.560

■ 96, 5.563, 299.194

■ 96, 7.188, 312.864

Harmonies

Complementary

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



90, 85.429, 114.949



42, 105.496, 306.373

Rectangle

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



90, 85.429, 114.949



90, 85.429, 164.949



90, 85.429, 294.949



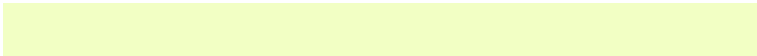
90, 85.429, 344.949

Sweetspot

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



90, 85.429, 114.951



98, 30.016, 117.394



60, 72.531, 43.020



52, 20.738, 117.152



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, 85.429, 114.951



94, 97.769, 115.494



86, 97.595, 132.661



50, 7.077, 118.303



69, 78.168, 116.004



21, 32.650, 115.280

Inverse Universe

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



42, 105.496, 306.373



37, 126.541, 307.337



52, 101.435, 318.755



46, 7.223, 299.568



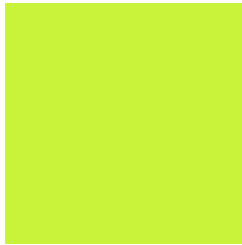
23, 102.654, 307.477



3, 38.479, 303.977

Previews

White Background



This preview shows how the CIELCh color 90, 85.429, 114.949 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, 85.429, 114.949 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, 85.429, 114.949

Background



This preview shows how black text looks on a background with the CIELCh color 90, 85.429, 114.949.

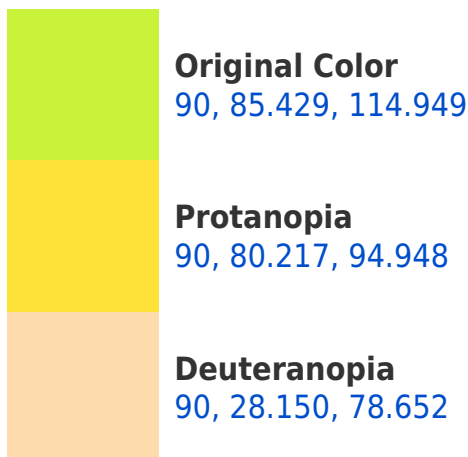


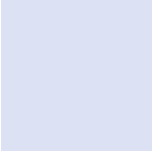
This preview shows how white text looks on a background with the CIELCh color 90, 85.429, 114.949.

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](#).

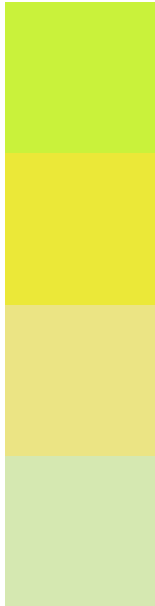
Dichromacy





Tritanopia
90, 9.544, 278.487

Trichromacy



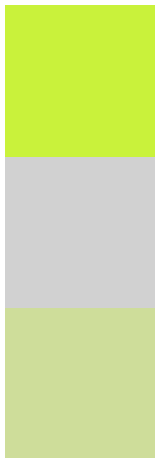
Original Color
90, 85.429, 114.949

Protanomaly
90, 80.964, 102.665

Deuteranomaly
89, 48.719, 102.765

Tritanomaly
89, 29.214, 122.210

Monochromacy



Original Color
90, 85.429, 114.949

Achromatopsia
84, 0.010, 296.813

Achromatomaly
86, 35.090, 116.914

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 85.429, 114.949 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(201, 242, 59)` looks like.

```
.text, #text, p{  
    color:rgb(201, 242, 59)  
}
```

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(201, 242, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 242, 59) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 85.429, 114.949 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(201, 242, 59) }
```

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

```
.border{ border-color:rgb(201, 242, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 242, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 242, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 242, 59);  
box-shadow:4px 4px 4px 4px rgb(201, 242,  
59) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 85.429, 114.949 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 242, 59) }
```

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

```
.background{ background-color: rgb(201,  
242, 59) }
```

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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