

Converting Colors

CIELCh(90, 82.512, 121.925)

Have a look what the booklet for
CIELCh(90, 82.512, 121.925)
contains.

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Color

CIELCh(90, 82.677, 122.011)

Conversions

Conversions Part 1

Format	Color
Hex	B6F650
RGB	182, 246, 80
RGB Percent	71%, 96%, 31%
CMY	0.2870, 0.0360, 0.6870
CMYK	0.26, 0.00, 0.68, 0.04
HSL	83°, 90%, 64%
HSV	83°, 68%, 96%
XYZ	53.5923, 76.3034, 19.4580
YIQ	207.9400, 15.1420, -65.1940

Conversions

Conversions Part 2

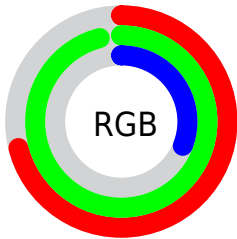
Format	Color
RYB	80, 246, 144
Decimal	11990608
CIELab	90.00, -43.83, 70.11
CIElCh	90, 82.677, 122.011
Yxy	76.3034, 0.3588, 0.5109
Android (android.graphics.Color)	4290180688 (0xFFB6F650)
YUV	207.9400, -63.0744, -22.7494
Hunter-Lab	87.3518, -43.3518, 47.9392

Details

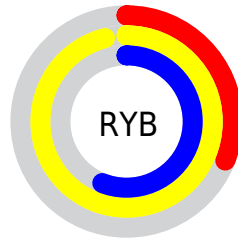
The CIELCh color **90, 82.677, 122.011** is a light color, and the websafe version is hex **CCFF66**. The color can be described as light muted chartreuse. A complement of this color would be **50, 95.006, 309.340**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 58.435, 111.210**, and **70, 82.540, 122.021** is the 20% darker color. If you saturate the color by 10%, you get **89, 91.355, 122.139**, and if you desaturate by 10%, it is **91, 72.294, 122.189**.

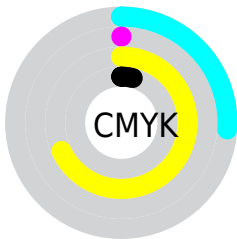
Distribution



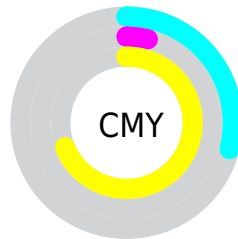
- Red (71%)
- Green (96%)
- Blue (31%)



- Red (31%)
- Yellow (96%)
- Blue (56%)



- Cyan (26%)
- Magenta (0%)
- Yellow (68%)
- Black (4%)





- Cyan (29%)
- Magenta (4%)
- Yellow (69%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 82.677, 122.011 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, 82.677, 122.011 by changing the saturation by 10% instead.


 90, 82.677,
122.011


 90, 82.677,
122.011


 100, 82.677,
122.011


 80, 82.677,
122.011

 70, 82.677,
122.011

 60, 82.677,
122.011

 50, 82.677,
122.011

 40, 82.677,
122.011

 30, 82.677,
122.011

 20, 82.677,

122.011

■ 10, 82.677,
122.011

■ 0, 82.677, 122.011

■ 90, 82.677,
122.011

■ 90, 82.677,
122.011

■ 89, 91.355,
122.139

■ 91, 72.294,
122.189

■ 89, 97.762,
122.692

■ 92, 60.757,
122.556

■ 88, 101.652,
123.743

■ 93, 48.489,
123.027

■ 88, 102.404,
124.035

■ 94, 35.786,
123.548

95, 22.848,
124.081

96, 9.811, 124.607

97, 3.232, 305.067

98, 5.711, 324.586

Harmonies

Complementary

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



90, 82.677, 122.011



50, 95.006, 309.340

Rectangle

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



90, 82.677, 122.011



90, 82.677, 172.011



90, 82.677, 302.011



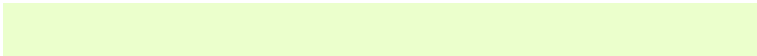
90, 82.677, 352.011

Sweetspot

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



90, 82.678, 122.012



97, 26.845, 123.947



69, 59.894, 55.973



52, 18.303, 123.797



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, 82.678, 122.012



92, 96.613, 122.284



87, 94.900, 136.436



51, 7.384, 124.505



69, 82.929, 123.757



22, 35.298, 122.485

Inverse Universe

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



50, 95.006, 309.340



44, 114.534, 309.878



60, 94.965, 323.979



47, 7.510, 305.462



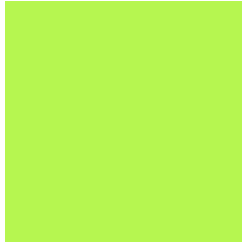
27, 100.897, 309.609



4, 41.144, 309.033

Previews

White Background



This preview shows how the CIELCh color 90, 82.677, 122.011 looks on a white background.

Color Contrast Check

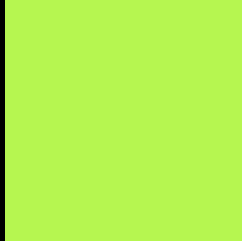
Large Text (above 18pt) WCAG AA × Fail

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, 82.677, 122.011 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, 82.677, 122.011

Background



This preview shows how black text looks on a background with the CIELCh color 90, 82.677, 122.011.

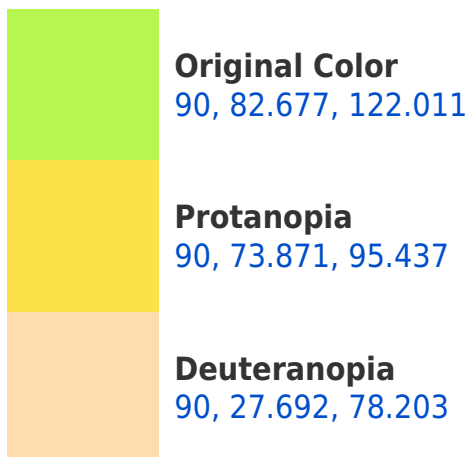


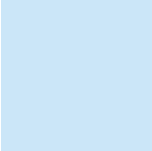
This preview shows how white text looks on a background with the CIELCh color 90, 82.677, 122.011.

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, 12.803, 246.162

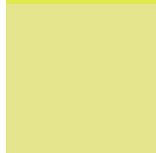
Trichromacy



Original Color
90, 82.677, 122.011



Protanomaly
89, 74.835, 106.324



Deuteranomaly
89, 45.215, 106.938

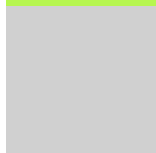


Tritanomaly
89, 29.564, 138.818

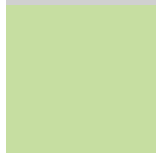
Monochromacy



Original Color
90, 82.677, 122.011



Achromatopsia
83, 0.010, 296.813



Achromatomaly
85, 32.942, 123.859

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 82.677, 122.011 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(182, 246, 80)` looks like.

```
.text, #text, p{  
    color:rgb(182, 246, 80)  
}
```

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(182, 246, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 246, 80) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 82.677, 122.011 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(182, 246, 80) }
```

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

```
.border{ border-color:rgb(182, 246, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 246, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 246, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 246, 80);  
box-shadow:4px 4px 4px 4px rgb(182, 246,  
80) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 82.677, 122.011 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 246, 80) }
```

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

```
.background{ background-color: rgb(182,  
246, 80) }
```

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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