

Converting Colors

CIELCh(87, 57.641, 118.449)

Have a look what the booklet for
CIELCh(87, 57.641, 118.449)
contains.

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Color

CIELCh(87, 57.671, 118.440)

Conversions

Conversions Part 1

Format	Color
Hex	C6E676
RGB	198, 230, 118
RGB Percent	78%, 90%, 46%
CMY	0.2230, 0.0975, 0.5367
CMYK	0.14, 0.00, 0.49, 0.10
HSL	77°, 69%, 68%
HSV	77°, 49%, 90%
XYZ	54.9382, 70.0064, 27.7971
YIQ	207.6640, 16.8800, -41.6160

Conversions

Conversions Part 2

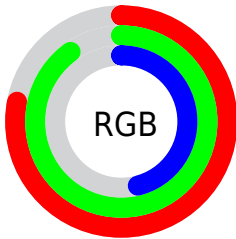
Format	Color
RYB	118, 230, 150
Decimal	13035126
CIELab	87.00, -27.47, 50.71
CIELCh	87, 57.671, 118.440
Yxy	70.0064, 0.3597, 0.4583
Android (android.graphics.Color)	4291225206 (0xFFC6E676)
YUV	207.6640, -44.2044, -8.4753
Hunter-Lab	83.6698, -29.2178, 38.8713

Details

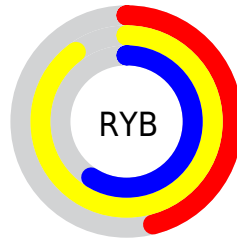
The CIELCh color **87, 57.671, 118.440** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **57, 64.364, 305.080**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 41.560, 107.005**, and **67, 57.297, 118.409** is the 20% darker color. If you saturate the color by 10%, you get **86, 68.216, 118.025**, and if you desaturate by 10%, it is **88, 46.388, 118.970**.

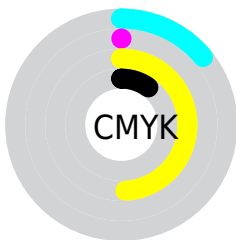
Distribution



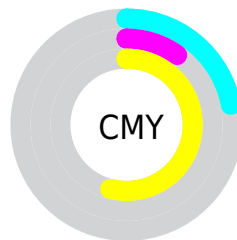
- Red (78%)
- Green (90%)
- Blue (46%)



- Red (46%)
- Yellow (90%)
- Blue (59%)



- Cyan (14%)
- Magenta (0%)
- Yellow (49%)
- Black (10%)



- Cyan (22%)
- Magenta (10%)
- Yellow (54%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 57.671, 118.440 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 87, 57.671, 118.440 by changing the saturation by 10% instead.

 87, 57.671,
118.440

 87, 57.671,
118.440

 100, 57.671,
118.440

 77, 57.671,
118.440

 67, 57.671,
118.440

 57, 57.671,
118.440

 47, 57.671,
118.440

 37, 57.671,
118.440

 27, 57.671,
118.440

 17, 57.671,


118.440


 7, 57.671, 118.440


 0, 57.671, 118.440


 87, 57.671,
118.440


 87, 57.671,
118.440

 86, 68.216,
118.025


 88, 46.388,
118.970


 86, 77.603,
117.798

 89, 34.651,
119.555

 85, 85.301,
117.865

 89, 22.657,
120.160

 85, 90.786,
118.335

 90, 10.534,
120.763

 84, 93.946,

 91, 1.628, 301.311

119.248

93, 13.151,
302.375

84, 94.294,
119.380

93, 13.789,
311.691

94, 14.754,
320.096

94, 15.530,
324.961

Harmonies

Complementary

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



87, 57.671, 118.440



57, 64.364, 305.080

Rectangle

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



87, 57.671, 118.440



87, 57.671, 168.440



87, 57.671, 298.440



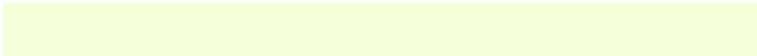
87, 57.671, 348.440

Sweetspot

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



87, 57.672, 118.442



98, 19.797, 120.377



69, 39.589, 47.470



52, 13.501, 120.249



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



87, 57.672, 118.442



95, 73.343, 118.037



84, 65.873, 135.539



48, 6.885, 120.716



67, 77.859, 119.147



19, 30.384, 118.729

Inverse Universe

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



57, 64.364, 305.080



56, 84.203, 306.025



63, 67.318, 320.371



44, 7.018, 301.839



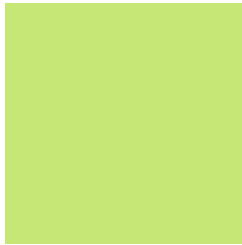
23, 99.572, 308.168



3, 34.414, 303.799

Previews

White Background



This preview shows how the CIELCh color 87, 57.671, 118.440 looks on a white background.

Color Contrast Check

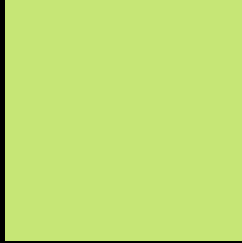
Large Text (above 18pt) WCAG AA × Fail

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 87, 57.671, 118.440 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 87, 57.671, 118.440

Background



This preview shows how black text looks on a background with the CIELCh color 87, 57.671, 118.440.

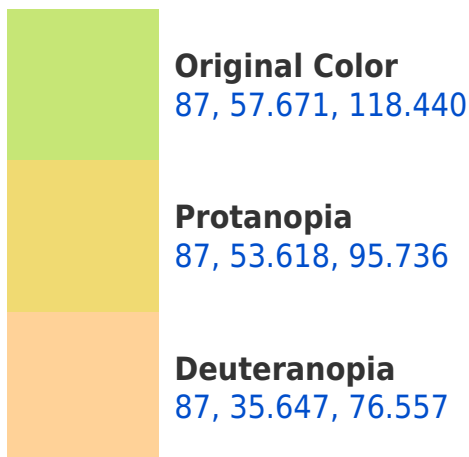


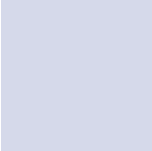
This preview shows how white text looks on a background with the CIELCh color 87, 57.671, 118.440.

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](#).

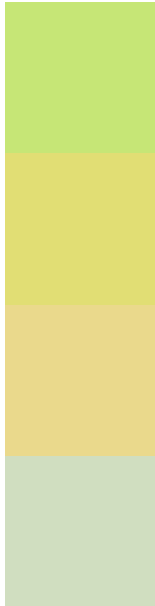
Dichromacy





Tritanopia
87, 8.988, 282.054

Trichromacy



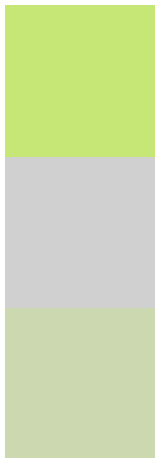
Original Color
87, 57.671, 118.440

Protanomaly
87, 53.547, 104.299

Deuteranomaly
87, 40.304, 96.842

Tritanomaly
87, 16.500, 127.279

Monochromacy



Original Color
87, 57.671, 118.440

Achromatopsia
83, 0.010, 296.813

Achromatomaly
85, 21.901, 120.420

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 57.671, 118.440 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(198, 230, 118)` looks like.

```
.text, #text, p{  
    color:rgb(198, 230, 118)  
}
```

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(198, 230, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 230, 118) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 57.671, 118.440 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(198, 230, 118) }
```

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

```
.border{ border-color:rgb(198, 230, 118) }
```

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

Here you see how a box with a 4 pixel rgb(198, 230, 118) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 230, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 230, 118);  
box-shadow:4px 4px 4px 4px rgb(198, 230,  
118) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 57.671, 118.440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 230, 118) }
```

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

```
.background{ background-color: rgb(198,  
230, 118) }
```

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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