

Converting Colors

CIELCh(89, 84.787, 140.722)

Have a look what the booklet for
CIELCh(89, 84.787, 140.722)
contains.

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Color

CIELCh(89, 84.546, 140.806)

Conversions

Conversions Part 1

Format	Color
Hex	6BFC73
RGB	107, 252, 115
RGB Percent	42%, 99%, 45%
CMY	0.5793, 0.0108, 0.5481
CMYK	0.57, 0.00, 0.54, 0.01
HSL	123°, 96%, 70%
HSV	123°, 57%, 99%
XYZ	44.0931, 74.1641, 28.2801
YIQ	193.0270, -42.4430, -73.3470

Conversions

Conversions Part 2

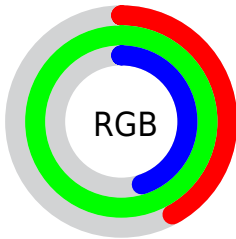
Format	Color
RYB	107, 244, 252
Decimal	7076979
CIELab	89.00, -65.52, 53.43
CIELCh	89, 84.546, 140.806
Yxy	74.1641, 0.3009, 0.5061
Android (android.graphics.Color)	4285267059 (0xFF6BFC73)
YUV	193.0270, -38.4673, -75.4457
Hunter-Lab	86.1186, -59.3148, 40.8130

Details

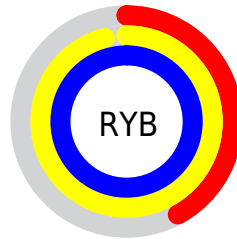
The CIELCh color **89, 84.546, 140.806** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **68, 83.531, 329.085**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 53.338, 142.278**, and **69, 84.574, 140.772** is the 20% darker color. If you saturate the color by 10%, you get **88, 96.303, 139.544**, and if you desaturate by 10%, it is **90, 71.253, 141.999**.

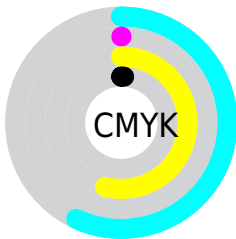
Distribution



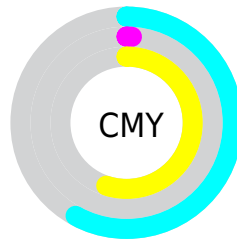
- Red (42%)
- Green (99%)
- Blue (45%)



- Red (42%)
- Yellow (96%)
- Blue (99%)



- Cyan (57%)
- Magenta (0%)
- Yellow (54%)
- Black (1%)



- Cyan (58%)
- Magenta (1%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 84.546, 140.806 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 89, 84.546, 140.806 by changing the saturation by 10% instead.

 89, 84.546,
140.806

 89, 84.546,
140.806

 100, 84.546,
140.806

 79, 84.546,
140.806

 69, 84.546,
140.806

 59, 84.546,
140.806

 49, 84.546,
140.806

 39, 84.546,
140.806

 29, 84.546,
140.806

 19, 84.546,


140.806


 9, 84.546, 140.806


 0, 84.546, 140.806


 89, 84.546,
140.806


 89, 84.546,
140.806


 88, 96.303,
139.544


 90, 71.253,
141.999


 88, 105.987,
138.304


 92, 56.907,
143.073


 87, 113.081,
137.221

 93, 41.923,
144.014

 87, 117.264,
136.439

 95, 26.643,
144.826

 87, 117.906,

 97, 11.333,

136.326

145.530

99, 1.712, 324.321

Harmonies

Complementary

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



89, 84.546, 140.806



68, 83.531, 329.085

Rectangle

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



89, 84.546, 140.806



89, 84.546, 190.806



89, 84.546, 320.806



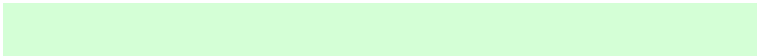
89, 84.546, 10.806

Sweetspot

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



89, 84.547, 140.806



96, 26.144, 144.861



96, 70.086, 107.204



51, 17.498, 144.709



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



89, 84.547, 140.806



89, 98.776, 139.346



90, 57.303, 159.861



51, 8.566, 145.394



67, 94.516, 136.448



21, 41.309, 138.082

Inverse Universe

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



68, 83.531, 329.085



65, 96.374, 329.591



65, 61.927, 353.649



49, 8.581, 326.463



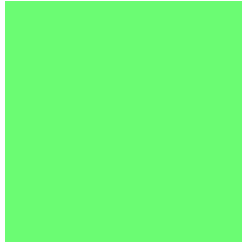
44, 88.268, 330.547



11, 40.154, 330.240

Previews

White Background



This preview shows how the CIE LCh color 89, 84.546, 140.806 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 89, 84.546, 140.806 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

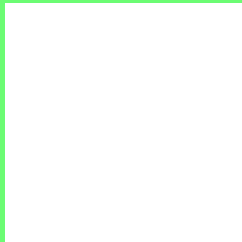
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 84.546, 140.806

Background



This preview shows how black text looks on a background with the CIELCh color 89, 84.546, 140.806.

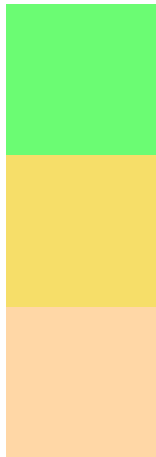


This preview shows how white text looks on a background with the CIELCh color 89, 84.546, 140.806.

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

89, 84.546, 140.806

Protanopia

88, 59.564, 95.429

Deuteranopia

88, 30.282, 76.101

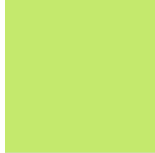


Tritanopia
89, 28.473, 217.195

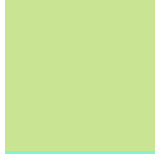
Trichromacy



Original Color
89, 84.546, 140.806



Protanomaly
88, 63.363, 118.769



Deuteranomaly
87, 42.862, 121.580

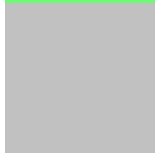


Tritanomaly
89, 41.781, 167.572

Monochromacy



Original Color
89, 84.546, 140.806



Achromatopsia
78, 0.009, 296.813



Achromatomaly
81, 33.012, 144.322

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 84.546, 140.806 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(107, 252, 115)` looks like.

```
.text, #text, p{  
    color:rgb(107, 252, 115)  
}
```

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(107, 252, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 252, 115) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 84.546, 140.806 is called "border". The border property can be set on classes, ids or directly on the HTML element.

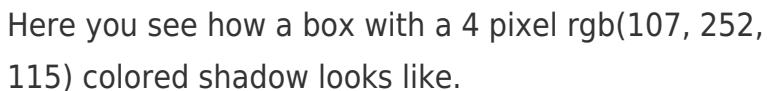
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(107, 252, 115) }
```

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

```
.border{ border-color:rgb(107, 252, 115) }
```

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



Here you see how a box with a 4 pixel `rgb(107, 252, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 252, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 252, 115);  
box-shadow:4px 4px 4px 4px rgb(107, 252,  
115) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 84.546, 140.806 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 252, 115) }
```

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

```
.background{ background-color: rgb(107,  
252, 115) }
```

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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