

Converting Colors

CIELCh(88, 75.973, 148.026)

Have a look what the booklet for
CIELCh(88, 75.973, 148.026)
contains.

CIELCh(88, 75.997, 147.995)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(88, 75.997, 147.995)

Conversions

Conversions Part 1

Format	Color
Hex	5AF98C
RGB	90, 249, 140
RGB Percent	35%, 98%, 55%
CMY	0.6454, 0.0221, 0.4497
CMYK	0.64, 0.00, 0.44, 0.02
HSL	139°, 93%, 67%
HSV	139°, 64%, 98%
XYZ	42.9978, 72.0653, 36.5779
YIQ	189.0330, -59.7750, -67.6070

Conversions

Conversions Part 2

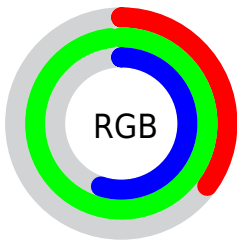
Format	Color
RYB	90, 211, 249
Decimal	5962124
CIELab	88.00, -64.45, 40.28
CIELCh	88, 75.997, 147.995
Yxy	72.0653, 0.2835, 0.4752
Android (android.graphics.Color)	4284152204 (0xFF5AF98C)
YUV	189.0330, -24.1733, -86.8519
Hunter-Lab	84.8913, -58.1487, 33.8771

Details

The CIELCh color **88, 75.997, 147.995** is a light color, and the websafe version is hex **66FF99**. The color can be described as light muted spring green. A complement of this color would be **63, 75.526, 340.380**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 46.558, 155.166**, and **68, 74.621, 147.200** is the 20% darker color. If you saturate the color by 10%, you get **87, 85.449, 146.288**, and if you desaturate by 10%, it is **89, 65.471, 149.509**.

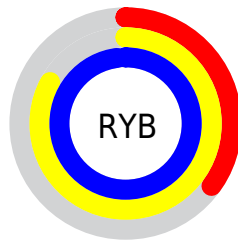
Distribution



Red (35%)

Green (98%)

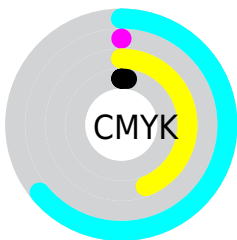
Blue (55%)



Red (35%)

Yellow (83%)

Blue (98%)

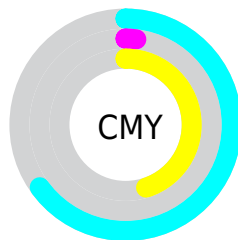


Cyan (64%)

Magenta (0%)

Yellow (44%)

Black (2%)



Cyan (65%)


Magenta (2%)


Yellow (45%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 75.997, 147.995 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 88, 75.997, 147.995 by changing the saturation by 10% instead.


 88, 75.997,
147.995


 88, 75.997,
147.995


 100, 75.997,
147.995


 78, 75.997,
147.995

 68, 75.997,
147.995

 58, 75.997,
147.995

 48, 75.997,
147.995

 38, 75.997,
147.995


 28, 75.997,
147.995


 18, 75.997,


147.995


 8, 75.997, 147.995


 0, 75.997, 147.995


 88, 75.997,
147.995


 88, 75.997,
147.995

 87, 85.449,
146.288


 89, 65.471,
149.509

 87, 93.652,
144.409

 90, 54.090,
150.834

 86, 100.513,
142.412

 92, 42.095,
151.986

 86, 104.174,
141.183

 93, 29.724,
152.988

 95, 17.184,

153.865

■ 97, 4.650, 154.685

■ 99, 3.515, 324.476

Harmonies

Complementary

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



88, 75.997, 147.995



63, 75.526, 340.380

Rectangle

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



88, 75.997, 147.995



88, 75.997, 197.995



88, 75.997, 327.995



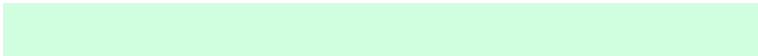
88, 75.997, 17.995

Sweetspot

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



88, 75.998, 147.995



96, 24.224, 153.415



92, 78.237, 118.493



51, 16.674, 153.159



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



88, 75.998, 147.995



89, 88.990, 145.861



89, 48.910, 176.456



51, 7.109, 154.209



67, 83.786, 141.548



22, 35.365, 144.636

Inverse Universe

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



63, 75.526, 340.380



60, 85.778, 341.991



61, 64.710, 14.025



49, 7.148, 335.487



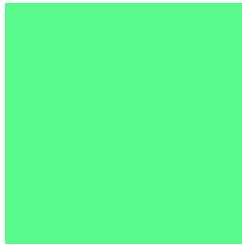
42, 72.947, 345.965



10, 33.857, 343.070

Previews

White Background



This preview shows how the CIE LCh color 88, 75.997, 147.995 looks on a white background.

Color Contrast Check

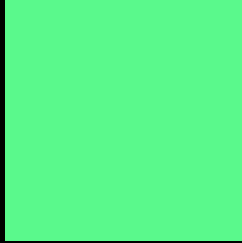
Large Text (above 18pt) WCAG AA × Fail

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 88, 75.997, 147.995 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

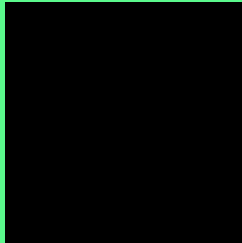
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 88, 75.997, 147.995

Background



This preview shows how black text looks on a background with the CIELCh color 88, 75.997, 147.995.

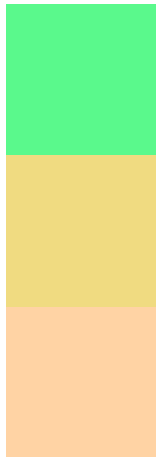


This preview shows how white text looks on a background with the CIELCh color 88, 75.997, 147.995.

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
88, 75.997, 147.995

Protanopia
87, 46.893, 95.565

Deuteranopia
87, 30.466, 72.608



Tritanopia
88, 32.659, 215.390

Trichromacy



Original Color
88, 75.997, 147.995



Protanomaly
86, 52.257, 125.396



Deuteranomaly
86, 37.940, 125.000

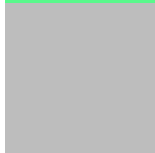


Tritanomaly
88, 42.248, 176.293

Monochromacy



Original Color
88, 75.997, 147.995



Achromatopsia
77, 0.009, 296.813



Achromatomaly
80, 30.117, 152.510

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 75.997, 147.995 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(90, 249, 140)` looks like.

```
.text, #text, p{  
    color:rgb(90, 249, 140)  
}
```

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(90, 249, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 249, 140) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 75.997, 147.995 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(90, 249, 140) }
```

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

```
.border{ border-color:rgb(90, 249, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 249, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 249, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 249, 140);  
box-shadow:4px 4px 4px 4px rgb(90, 249,  
140) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 75.997, 147.995 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 249, 140) }
```

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

```
.background{ background-color: rgb(90, 249,  
140) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor