

Converting Colors

CIELCh(90, 85.429, 141.913)

Have a look what the booklet for
CIELCh(90, 85.429, 141.913)
contains.

CIELCh(90, 85.148, 141.870)	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(90, 85.148, 141.870)

Conversions

Conversions Part 1

Format	Color
Hex	68FF78
RGB	104, 255, 120
RGB Percent	41%, 100%, 47%
CMY	0.5926, 0.0000, 0.5305
CMYK	0.59, 0.00, 0.53, 0.00
HSL	126°, 100%, 70%
HSV	126°, 59%, 100%
XYZ	45.0763, 76.3034, 30.0293
YIQ	194.4610, -46.6610, -73.9970

Conversions

Conversions Part 2

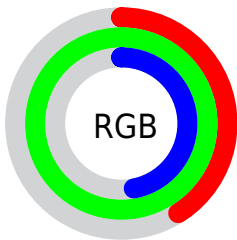
Format	Color
RYB	104, 241, 255
Decimal	6881144
CIELab	90.00, -66.98, 52.57
CIELCh	90, 85.148, 141.870
Yxy	76.3034, 0.2977, 0.5040
Android (android.graphics.Color)	4285071224 (0xFF68FF78)
YUV	194.4610, -36.7093, -79.3343
Hunter-Lab	87.3518, -60.7539, 40.7639

Details

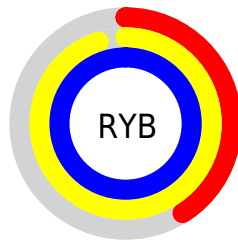
The CIELCh color **90, 85.148, 141.870** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **68, 83.502, 330.889**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **93, 51.672, 144.380**, and **70, 84.490, 141.999** is the 20% darker color. If you saturate the color by 10%, you get **89, 96.152, 140.537**, and if you desaturate by 10%, it is **91, 71.904, 143.169**.

Distribution



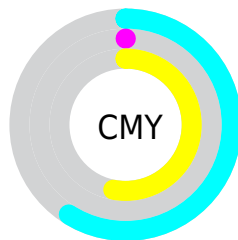
- Red (41%)
- Green (100%)
- Blue (47%)



- Red (41%)
- Yellow (95%)
- Blue (100%)



- Cyan (59%)
- Magenta (0%)
- Yellow (53%)
- Black (0%)





- Cyan (59%)
- Magenta (0%)
- Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 85.148, 141.870 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, 85.148, 141.870 by changing the saturation by 10% instead.


 90, 85.148,
141.870


 90, 85.148,
141.870

 100, 85.148,
141.870


 80, 85.148,
141.870


 70, 85.148,
141.870

 60, 85.148,
141.870


 50, 85.148,
141.870

 40, 85.148,
141.870


 30, 85.148,
141.870


 20, 85.148,


141.870


 10, 85.148,
141.870


 0, 85.148, 141.870

 90, 85.148,
141.870


 90, 85.148,
141.870


 89, 96.152,
140.537


 91, 71.904,
143.169


 88, 105.644,
139.147

 92, 58.021,
144.299

 88, 112.805,
137.851

 94, 43.489,
145.284

 88, 117.381,
136.816

 96, 28.630,
146.134

■ 88, 117.628,
136.762

■ 98, 13.704,
146.869

100, 0.012,
296.813

Harmonies

Complementary

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



90, 85.148, 141.870



68, 83.502, 330.889

Rectangle

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



90, 85.148, 141.870



90, 85.148, 191.870



90, 85.148, 321.870



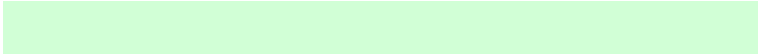
90, 85.148, 11.870

Sweetspot

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



90, 84.756, 141.903



96, 26.742, 146.232



96, 72.775, 109.491



51, 18.595, 146.003



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, 84.756, 141.903



89, 97.949, 140.295



91, 56.647, 162.486



52, 8.411, 146.852



68, 94.332, 136.941



22, 41.537, 138.827

Inverse Universe

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



68, 83.502, 330.889



64, 94.853, 331.520



65, 62.977, 357.541



50, 8.429, 327.949



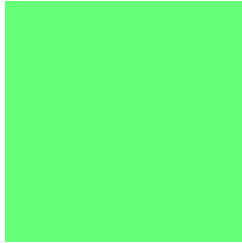
44, 85.721, 332.911



12, 39.828, 332.290

Previews

White Background



This preview shows how the CIE LCh color 90, 85.148, 141.870 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, 85.148, 141.870 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

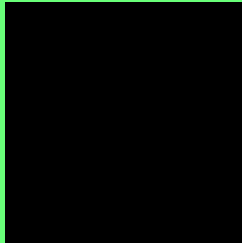
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

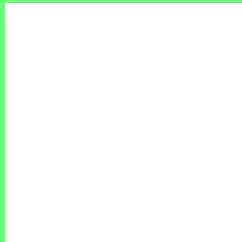
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 85.148, 141.870

Background



This preview shows how black text looks on a background with the CIELCh color 90, 85.148, 141.870.

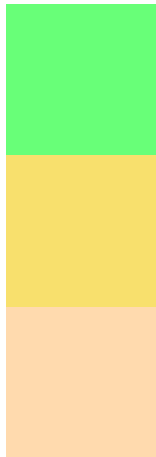


This preview shows how white text looks on a background with the CIELCh color 90, 85.148, 141.870.

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


90, 84.631, 141.942

Protanopia

89, 58.619, 95.421

Deuteranopia

89, 27.275, 75.802

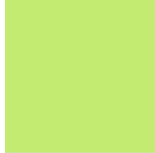


Tritanopia
90, 26.735, 217.378

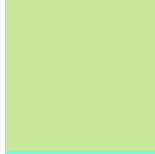
Trichromacy



Original Color
90, 84.631, 141.942



Protanomaly
88, 62.653, 119.714



Deuteranomaly
88, 41.231, 123.902

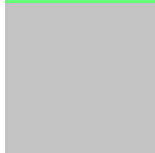


Tritanomaly
89, 40.776, 167.727

Monochromacy



Original Color
90, 84.631, 141.942



Achromatopsia
78, 0.009, 296.813



Achromatomaly
82, 32.993, 145.771

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 85.148, 141.870 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(104, 255, 120)` looks like.

```
.text, #text, p{  
    color:rgb(104, 255, 120)  
}
```

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(104, 255, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 255, 120) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 85.148, 141.870 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(104, 255, 120) }
```

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

```
.border{ border-color:rgb(104, 255, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 255, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 255, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 255, 120);  
box-shadow:4px 4px 4px 4px rgb(104, 255,  
120) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 85.148, 141.870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 255, 120) }
```

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

```
.background{ background-color: rgb(104,  
255, 120) }
```

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