

Converting Colors

CIELCh(90, 86.483, 141.050)

Have a look what the booklet for
CIELCh(90, 86.483, 141.050)
contains.

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Color

CIELCh(90, 85.970, 141.113)

Conversions

Conversions Part 1

Format	Color
Hex	6AFF75
RGB	106, 255, 117
RGB Percent	42%, 100%, 46%
CMY	0.5851, 0.0000, 0.5425
CMYK	0.59, 0.00, 0.54, 0.00
HSL	124°, 100%, 71%
HSV	124°, 59%, 100%
XYZ	45.0974, 76.3034, 29.0733
YIQ	194.7170, -44.5060, -74.5060

Conversions

Conversions Part 2

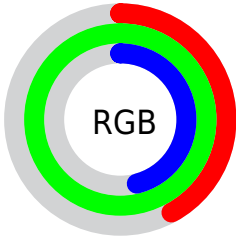
Format	Color
RYB	106, 245, 255
Decimal	7012213
CIELab	90.00, -66.92, 53.97
CIELCh	90, 85.970, 141.113
Yxy	76.3034, 0.2997, 0.5071
Android (android.graphics.Color)	4285202293 (0xFF6AFF75)
YUV	194.7170, -38.3145, -77.8048
Hunter-Lab	87.3518, -60.7109, 41.4128

Details

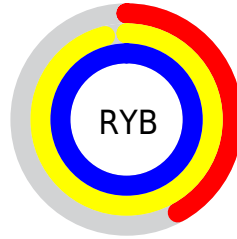
The CIELCh color **90, 85.970, 141.113** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **68, 84.458, 329.733**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **93, 52.508, 142.895**, and **70, 85.549, 141.140** is the 20% darker color. If you saturate the color by 10%, you get **89, 97.233, 139.837**, and if you desaturate by 10%, it is **91, 72.455, 142.362**.

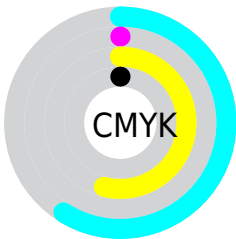
Distribution



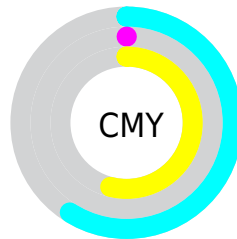
- Red (42%)
- Green (100%)
- Blue (46%)



- Red (42%)
- Yellow (96%)
- Blue (100%)



- Cyan (59%)
- Magenta (0%)
- Yellow (54%)
- Black (0%)





- Cyan (59%)
- Magenta (0%)
- Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 85.970, 141.113 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, 85.970, 141.113 by changing the saturation by 10% instead.


 90, 85.970,
141.113


 90, 85.970,
141.113


 100, 85.970,
141.113


 80, 85.970,
141.113

 70, 85.970,
141.113

 60, 85.970,
141.113


 50, 85.970,
141.113

 40, 85.970,
141.113


 30, 85.970,
141.113


 20, 85.970,


141.113


 10, 85.970,
141.113


 0, 85.970, 141.113


 90, 85.970,
141.113


 90, 85.970,
141.113


 89, 97.233,
139.837


 91, 72.455,
142.362

 88, 106.810,
138.545

 92, 58.228,
143.462

 88, 113.857,
137.392

 94, 43.341,
144.424

 88, 118.090,
136.535

 96, 28.132,
145.254

■ 88, 118.506,
136.455

■ 98, 12.871,
145.973

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, 85.970, 141.113



68, 84.458, 329.733

Rectangle

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



90, 85.970, 141.113



90, 85.970, 191.113



90, 85.970, 321.113



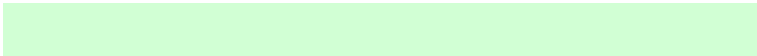
90, 85.970, 11.113

Sweetspot

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



90, 85.613, 141.139



96, 27.349, 145.294



97, 71.840, 107.935



51, 19.017, 145.067



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, 85.613, 141.139



89, 98.800, 139.641



91, 57.796, 160.635



52, 8.602, 145.905



68, 95.125, 136.595



22, 42.229, 138.176

Inverse Universe

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



68, 84.458, 329.733



64, 96.092, 330.271



65, 63.020, 355.015



50, 8.618, 326.985



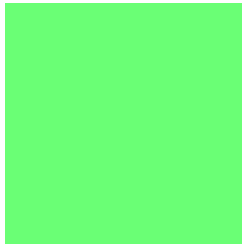
45, 87.904, 331.367



12, 40.720, 330.963

Previews

White Background



This preview shows how the CIE LCh color 90, 85.970, 141.113 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, 85.970, 141.113 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

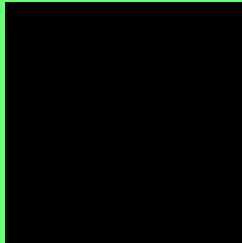
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

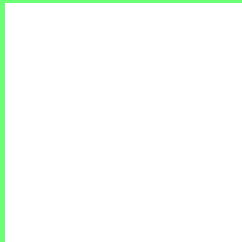
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 85.970, 141.113

Background



This preview shows how black text looks on a background with the CIELCh color 90, 85.970, 141.113.

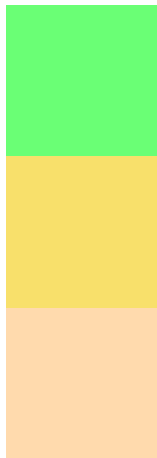


This preview shows how white text looks on a background with the CIELCh color 90, 85.970, 141.113.

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, 85.454, 141.176

Protanopia

89, 59.511, 95.481

Deuteranopia

89, 27.724, 76.298



Tritanopia
90, 26.735, 217.378

Trichromacy



Original Color
90, 85.454, 141.176



Protanomaly
88, 63.517, 119.464



Deuteranomaly
88, 41.590, 123.188

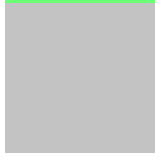


Tritanomaly
89, 41.089, 167.126

Monochromacy



Original Color
90, 85.454, 141.176



Achromatopsia
79, 0.010, 296.813



Achromatomaly
82, 33.172, 144.795

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 85.970, 141.113 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(106, 255, 117)` looks like.

```
.text, #text, p{  
    color:rgb(106, 255, 117)  
}
```

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(106, 255, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 255, 117) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 85.970, 141.113 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(106, 255, 117) }
```

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

```
.border{ border-color:rgb(106, 255, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 255, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 255, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 255, 117);  
box-shadow:4px 4px 4px 4px rgb(106, 255,  
117) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 85.970, 141.113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 255, 117) }
```

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

```
.background{ background-color: rgb(106,  
255, 117) }
```

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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