

Converting Colors

CIELCh(90, 106.199, 127.819)

Have a look what the booklet for
CIELCh(90, 106.199, 127.819)
contains.

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Color

CIELCh(90, 106.167, 127.817)

Conversions

Conversions Part 1

Format	Color
Hex	87FE18
RGB	135, 254, 24
RGB Percent	53%, 100%, 9%
CMY	0.4694, 0.0028, 0.9072
CMYK	0.47, 0.00, 0.91, 0.00
HSL	91°, 99%, 54%
HSV	91°, 91%, 100%
XYZ	45.7326, 76.3034, 13.1620
YIQ	192.1990, 2.9060, -96.7580

Conversions

Conversions Part 2

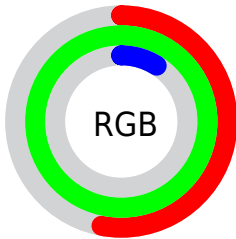
Format	Color
R _{YB}	24, 254, 143
Decimal	8912408
CIE Lab	90.00, -65.10, 83.87
CIE LCh	90, 106.167, 127.817
Yxy	76.3034, 0.3383, 0.5644
Android (android.graphics.Color)	4287102488 (0xFF87FE18)
YUV	192.1990, -82.9221, -50.1635
Hunter-Lab	87.3518, -59.4129, 52.2126

Details

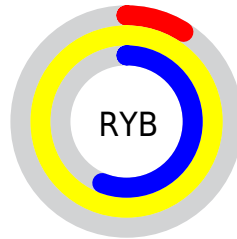
The CIELCh color **90, 106.167, 127.817** is a dark color, and the websafe version is hex **99FF00**. The color can be described as middle washed chartreuse. A complement of this color would be **44, 120.032, 312.667**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 77.872, 121.648**, and **70, 93.654, 132.272** is the 20% darker color. If you saturate the color by 10%, you get **90, 109.768, 128.880**, and if you desaturate by 10%, it is **91, 99.959, 127.105**.

Distribution



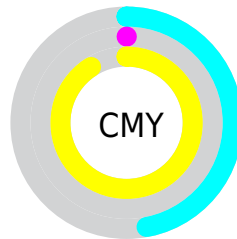
- Red (53%)
- Green (100%)
- Blue (9%)



- Red (9%)
- Yellow (100%)
- Blue (56%)



- Cyan (47%)
- Magenta (0%)
- Yellow (91%)
- Black (0%)





- Cyan (47%)
- Magenta (0%)
- Yellow (91%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 106.167, 127.817 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, 106.167, 127.817 by changing the saturation by 10% instead.


 90, 106.167,
127.817


 90, 106.167,
127.817


 100, 106.167,
127.817


 80, 106.167,
127.817


 70, 106.167,
127.817

 60, 106.167,
127.817


 50, 106.167,
127.817


 40, 106.167,
127.817


 30, 106.167,
127.817


 20, 106.167,


127.817


 10, 106.167,
127.817


 0, 106.167,
127.817


 90, 106.167,
127.817


 90, 106.167,
127.817

 90, 109.768,
128.880

 91, 99.959,
127.105

 91, 91.253,
126.860

 92, 80.587,
126.959

 93, 68.561,
127.275

■ 94, 55.662,
127.707

■ 95, 42.243,
128.189

■ 97, 28.547,
128.681

■ 98, 14.743,
129.159

■ 100, 0.948,
129.749

Harmonies

Complementary

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



90, 106.167, 127.817



44, 120.032, 312.667

Rectangle

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



90, 106.167, 127.817



90, 106.167, 177.817



90, 106.167, 307.817



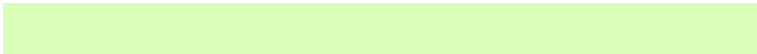
90, 106.167, 357.817

Sweetspot

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



90, 106.167, 127.818



96, 37.285, 128.371



69, 80.633, 62.445



51, 25.095, 128.203



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, 106.167, 127.818



90, 110.004, 128.882



88, 117.196, 136.317



53, 7.851, 129.215



69, 88.350, 128.600



23, 39.287, 127.065

Inverse Universe

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



44, 120.032, 312.667



41, 124.614, 312.042



61, 113.412, 328.176



49, 7.957, 310.035



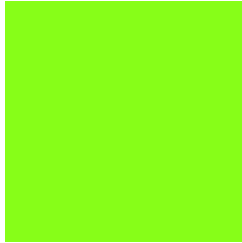
30, 100.187, 312.238



6, 44.882, 313.317

Previews

White Background



This preview shows how the CIE LCh color 90, 106.167, 127.817 looks on a white background.

Color Contrast Check

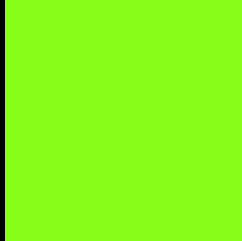
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 90, 106.167, 127.817 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, 106.167, 127.817

Background



This preview shows how black text looks on a background with the CIELCh color 90, 106.167, 127.817.



This preview shows how white text looks on a background with the CIELCh color 90, 106.167, 127.817.

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, 106.050, 127.851

Protanopia

89, 88.722, 94.742

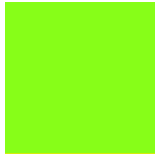
Deuteranopia

89, 29.761, 79.212



Tritanopia
90, 23.075, 223.738

Trichromacy



Original Color
90, 106.050, 127.851



Protanomaly
89, 91.222, 109.544



Deuteranomaly
88, 58.532, 113.806

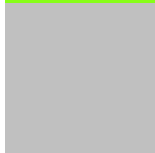


Tritanomaly
89, 48.604, 146.741

Monochromacy



Original Color
90, 106.050, 127.851



Achromatopsia
78, 0.009, 296.813



Achromatomaly
81, 46.806, 128.078

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 106.167, 127.817 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(135, 254, 24)` looks like.

```
.text, #text, p{  
    color:rgb(135, 254, 24)  
}
```

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(135, 254, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 254, 24) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 106.167, 127.817 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(135, 254, 24) }
```

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

```
.border{ border-color:rgb(135, 254, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 254, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 254, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 254, 24);  
box-shadow:4px 4px 4px 4px rgb(135, 254,  
24) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 106.167, 127.817 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 254, 24) }
```

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

```
.background{ background-color: rgb(135,  
254, 24) }
```

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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