

Converting Colors

CIELCh(90, 109.817, 128.714)

Have a look what the booklet for
CIELCh(90, 109.817, 128.714)
contains.

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Color

CIELCh(90, 109.658, 128.726)

Conversions

Conversions Part 1

Format	Color
Hex	7EFF04
RGB	126, 255, 4
RGB Percent	49%, 100%, 2%
CMY	0.5073, 0.0000, 0.9834
CMYK	0.51, 0.00, 0.98, 0.00
HSL	91°, 100%, 51%
HSV	91°, 98%, 100%
XYZ	44.5157, 76.3034, 12.5024
YIQ	187.8150, 3.6870, -105.4090

Conversions

Conversions Part 2

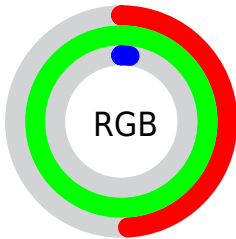
Format	Color
RYB	4, 255, 133
Decimal	8322820
CIELab	90.00, -68.60, 85.55
CIELCh	90, 109.658, 128.726
Yxy	76.3034, 0.3339, 0.5723
Android (android.graphics.Color)	4286512900 (0xFF7EFF04)
YUV	187.8150, -90.6208, -54.2118
Hunter-Lab	87.3518, -61.8995, 52.6602

Details

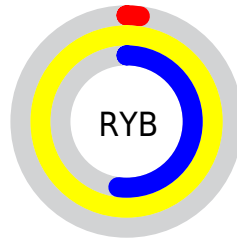
The CIELCh color **90, 109.658, 128.726** is a dark color, and the websafe version is hex **66FF00**. The color can be described as dark saturated chartreuse. A complement of this color would be **42, 123.924, 312.157**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 81.131, 123.018**, and **70, 95.606, 133.654** is the 20% darker color. If you saturate the color by 10%, you get **90, 110.004, 128.882**, and if you desaturate by 10%, it is **90, 105.174, 127.604**.

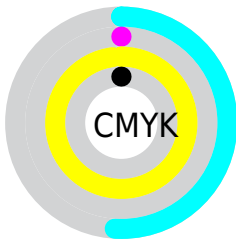
Distribution



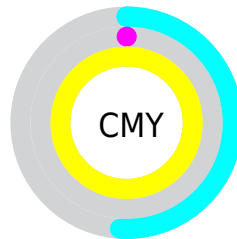
- Red (49%)
- Green (100%)
- Blue (2%)



- Red (2%)
- Yellow (100%)
- Blue (52%)



- Cyan (51%)
- Magenta (0%)
- Yellow (98%)
- Black (0%)





- Cyan (51%)
- Magenta (0%)
- Yellow (98%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 109.658, 128.726 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, 109.658, 128.726 by changing the saturation by 10% instead.


 90, 109.658,
128.726


 90, 109.658,
128.726


 100, 109.658,
128.726


 80, 109.658,
128.726

 70, 109.658,
128.726

 60, 109.658,
128.726

 50, 109.658,
128.726

 40, 109.658,
128.726

 30, 109.658,
128.726

 20, 109.658,

128.726

■ 10, 109.658,
128.726

■ 0, 109.658,
128.726

■ 90, 109.658,
128.726

■ 90, 109.658,
128.726

■ 90, 110.004,
128.882

■ 90, 105.174,
127.604

■ 91, 98.331,
127.009

■ 92, 89.088,
126.857

■ 93, 78.026,
127.018

■ 94, 65.728,
127.369

■ 95, 52.650,
127.818

■ 96, 39.116,
128.305

■ 97, 25.351,
128.795

■ 99, 11.509,
129.270

Harmonies

Complementary

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



90, 109.658, 128.726



42, 123.924, 312.157

Rectangle

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



90, 109.658, 128.726



90, 109.658, 178.726



90, 109.658, 308.726



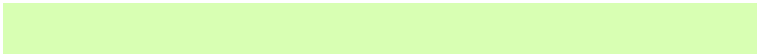
90, 109.658, 358.726

Sweetspot

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



90, 109.426, 128.689



96, 41.388, 128.223



67, 84.786, 60.254



51, 28.182, 128.017



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, 109.426, 128.689



90, 110.004, 128.882



88, 119.439, 136.060



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.



42, 123.924, 312.157



41, 124.614, 312.042



60, 115.291, 328.224



49, 7.957, 310.035



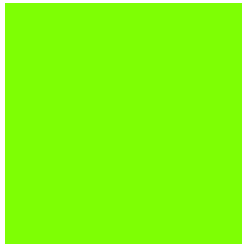
30, 100.187, 312.238



6, 44.882, 313.317

Previews

White Background



This preview shows how the CIE LCh color 90, 109.658, 128.726 looks on a white background.

Color Contrast Check

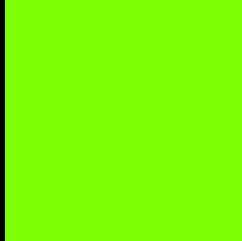
Large Text (above 18pt) WCAG AA × Fail

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, 109.658, 128.726 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, 109.658, 128.726

Background



This preview shows how black text looks on a background with the CIELCh color 90, 109.658, 128.726.



This preview shows how white text looks on a background with the CIELCh color 90, 109.658,

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, 109.389, 128.637

Protanopia

89, 89.056, 95.021

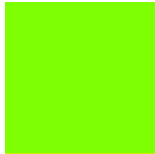
Deuteranopia

89, 30.685, 79.990



Tritanopia
90, 24.411, 220.802

Trichromacy



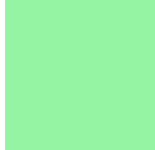
Original Color
90, 109.389, 128.637



Protanomaly
89, 92.233, 110.452

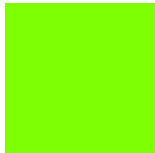


Deuteranomaly
88, 62.275, 114.177

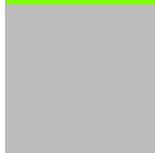


Tritanomaly
89, 53.472, 145.950

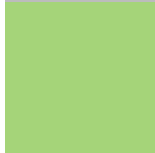
Monochromacy



Original Color
90, 109.389, 128.637



Achromatopsia
76, 0.009, 296.813



Achromatomaly
80, 50.580, 127.644

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 109.658, 128.726 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(126, 255, 4)` looks like.

```
.text, #text, p{  
    color:rgb(126, 255, 4)  
}
```

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(126, 255, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 255, 4) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 109.658, 128.726 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(126, 255, 4) }
```

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

```
.border{ border-color:rgb(126, 255, 4) }
```

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

Here you see how a box with a 4 pixel rgb(126, 255, 4) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 255, 4); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 255, 4);  
box-shadow:4px 4px 4px 4px rgb(126, 255,  
4) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 109.658, 128.726 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 255, 4) }
```

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

```
.background{ background-color: rgb(126,  
255, 4) }
```

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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