

Converting Colors

CIELCh(90, 110.029, 128.905)

Have a look what the booklet for
CIELCh(90, 110.029, 128.905)
contains.

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Color

CIELCh(90, 109.732, 128.871)

Conversions

Conversions Part 1

Format	Color
Hex	7DFF06
RGB	125, 255, 6
RGB Percent	49%, 100%, 2%
CMY	0.5108, 0.0000, 0.9779
CMYK	0.51, 0.00, 0.98, 0.00
HSL	91°, 100%, 51%
HSV	91°, 98%, 100%
XYZ	44.4254, 76.3034, 12.5473
YIQ	187.7440, 2.4490, -104.9990

Conversions

Conversions Part 2

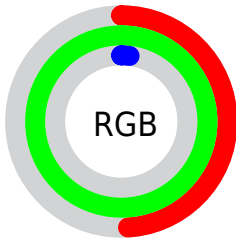
Format	Color
RYB	6, 255, 136
Decimal	8257286
CIELab	90.00, -68.86, 85.43
CIELCh	90, 109.732, 128.871
Yxy	76.3034, 0.3333, 0.5725
Android (android.graphics.Color)	4286447366 (0xFF7DFF06)
YUV	187.7440, -89.5998, -55.0265
Hunter-Lab	87.3518, -62.0840, 52.6298

Details

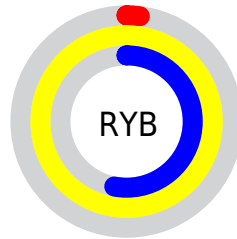
The CIELCh color **90, 109.732, 128.871** is a dark color, and the websafe version is hex **66FF00**. The color can be described as dark saturated chartreuse. A complement of this color would be **42, 123.531, 312.351**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 81.263, 123.259**, and **70, 95.706, 133.737** is the 20% darker color. If you saturate the color by 10%, you get **90, 110.231, 129.085**, and if you desaturate by 10%, it is **90, 105.076, 127.769**.

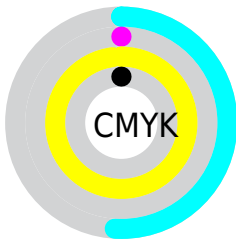
Distribution



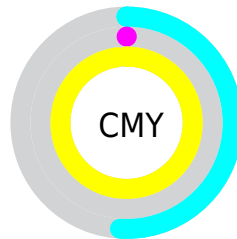
- Red (49%)
- Green (100%)
- Blue (2%)



- Red (2%)
- Yellow (100%)
- Blue (53%)



- 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, 109.732, 128.871 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, 109.732, 128.871 by changing the saturation by 10% instead.


 90, 109.732,
128.871


 90, 109.732,
128.871


 100, 109.732,
128.871


 80, 109.732,
128.871


 70, 109.732,
128.871

 60, 109.732,
128.871

 50, 109.732,
128.871

 40, 109.732,
128.871

 30, 109.732,
128.871

 20, 109.732,

128.871

■ 10, 109.732,
128.871

■ 0, 109.732,
128.871

■ 90, 109.732,
128.871

■ 90, 109.732,
128.871

■ 90, 110.231,
129.085

■ 90, 105.076,
127.769

■ 91, 98.069,
127.206

■ 92, 88.689,
127.079

■ 93, 77.520,
127.257

■ 94, 65.143,
127.617

■ 95, 52.007,
128.071

■ 96, 38.430,
128.560

■ 97, 24.632,
129.048

■ 99, 10.766,
129.521

Harmonies

Complementary

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



90, 109.732, 128.871



42, 123.531, 312.351

Rectangle

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



90, 109.732, 128.871



90, 109.732, 178.871



90, 109.732, 308.871



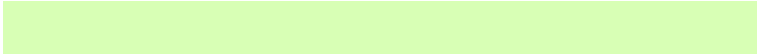
90, 109.732, 358.871

Sweetspot

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



90, 109.460, 128.829



96, 40.089, 128.500



68, 83.982, 61.820



51, 27.460, 128.290



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, 109.460, 128.829



90, 110.231, 129.085



88, 119.072, 136.163



53, 7.863, 129.440



69, 88.532, 128.804



23, 39.361, 127.276

Inverse Universe

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



42, 123.531, 312.351



42, 124.438, 312.195



60, 113.705, 328.894



49, 7.967, 310.256



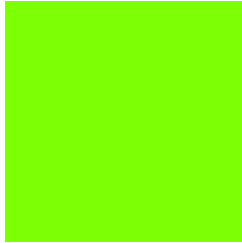
31, 100.048, 312.391



6, 44.873, 313.496

Previews

White Background



This preview shows how the CIE LCh color 90, 109.732, 128.871 looks on a white background.

Color Contrast Check

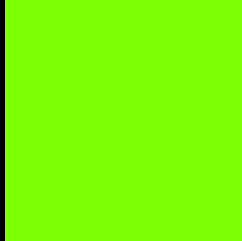
Large Text (above 18pt) WCAG AA × Fail

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, 109.732, 128.871 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, 109.732, 128.871

Background



This preview shows how black text looks on a background with the CIELCh color 90, 109.732, 128.871.



This preview shows how white text looks on a background with the CIELCh color 90, 109.732, 128.871.

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, 109.400, 128.803

Protanopia

89, 89.056, 95.021

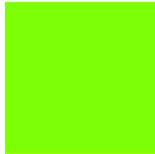
Deuteranopia

89, 30.456, 78.931



Tritanopia
90, 24.657, 220.549

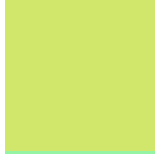
Trichromacy



Original Color
90, 109.400, 128.803



Protanomaly
89, 92.298, 110.704



Deuteranomaly
88, 61.794, 113.893

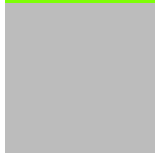


Tritanomaly
89, 53.675, 146.182

Monochromacy



Original Color
90, 109.400, 128.803



Achromatopsia
76, 0.009, 296.813



Achromatomaly
80, 50.123, 127.867

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 109.732, 128.871 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(125, 255, 6)` looks like.

```
.text, #text, p{  
    color:rgb(125, 255, 6)  
}
```

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(125, 255, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 255, 6) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 109.732, 128.871 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(125, 255, 6) }
```

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

```
.border{ border-color:rgb(125, 255, 6) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 255, 6)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 255, 6); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 255, 6);  
box-shadow:4px 4px 4px 4px rgb(125, 255,  
6) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 109.732, 128.871 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 255, 6) }
```

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

```
.background{ background-color: rgb(125,  
255, 6) }
```

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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