

Converting Colors

CIELCh(90, 109.359, 128.787)

Have a look what the booklet for
CIELCh(90, 109.359, 128.787)
contains.

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Color

CIELCh(90, 109.132, 128.714)

Conversions

Conversions Part 1

Format	Color
Hex	7EFF0A
RGB	126, 255, 10
RGB Percent	49%, 100%, 4%
CMY	0.5039, 0.0000, 0.9616
CMYK	0.50, 0.00, 0.96, 0.00
HSL	91°, 100%, 52%
HSV	91°, 96%, 100%
XYZ	44.6351, 76.3034, 12.6558
YIQ	188.4990, 1.7610, -103.5430

Conversions

Conversions Part 2

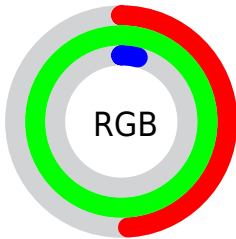
Format	Color
RYB	10, 255, 139
Decimal	8322826
CIELab	90.00, -68.25, 85.15
CIELCh	90, 109.132, 128.714
Yxy	76.3034, 0.3341, 0.5712
Android (android.graphics.Color)	4286512906 (0xFF7EFF0A)
YUV	188.4990, -88.0000, -54.8116
Hunter-Lab	87.3518, -61.6555, 52.5561

Details

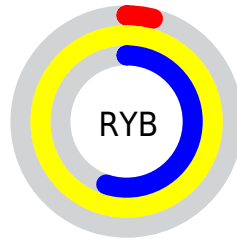
The CIELCh color **90, 109.132, 128.714** is a dark color, and the websafe version is hex **66FF00**. The color can be described as dark saturated chartreuse. A complement of this color would be **43, 122.831, 312.514**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 80.764, 123.124**, and **70, 95.606, 133.654** is the 20% darker color. If you saturate the color by 10%, you get **90, 110.291, 129.138**, and if you desaturate by 10%, it is **90, 104.167, 127.699**.

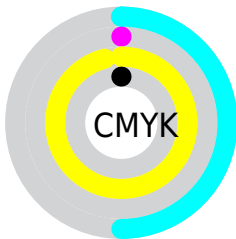
Distribution



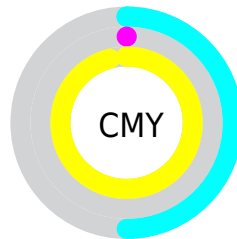
- Red (49%)
- Green (100%)
- Blue (4%)



- Red (4%)
- Yellow (100%)
- Blue (55%)



- Cyan (50%)
- Magenta (0%)
- Yellow (96%)
- Black (0%)





- Cyan (50%)
- Magenta (0%)
- Yellow (96%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 109.132, 128.714 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, 109.132, 128.714 by changing the saturation by 10% instead.


 90, 109.132,
128.714


 90, 109.132,
128.714


 100, 109.132,
128.714


 80, 109.132,
128.714


 70, 109.132,
128.714

 60, 109.132,
128.714

 50, 109.132,
128.714

 40, 109.132,
128.714

 30, 109.132,
128.714

 20, 109.132,

128.714

■ 10, 109.132,
128.714

■ 0, 109.132,
128.714

■ 90, 109.132,
128.714

■ 90, 109.132,
128.714

■ 90, 110.291,
129.138

■ 90, 104.167,
127.699

■ 91, 96.735,
127.216

■ 92, 87.013,
127.149

■ 93, 75.605,
127.365

■ 94, 63.070,
127.747

■ 95, 49.836,
128.209

■ 96, 36.203,
128.700

■ 98, 22.379,
129.186

■ 99, 8.507, 129.657

Harmonies

Complementary

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



90, 109.132, 128.714



43, 122.831, 312.514

Rectangle

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



90, 109.132, 128.714



90, 109.132, 178.714



90, 109.132, 308.714



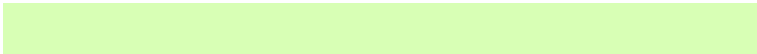
90, 109.132, 358.714

Sweetspot

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



90, 108.948, 128.685



96, 40.107, 128.560



69, 83.264, 62.317



51, 27.472, 128.350



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, 108.948, 128.685



90, 110.291, 129.138



88, 118.720, 136.213



53, 7.866, 129.500



69, 88.579, 128.857



23, 39.381, 127.332

Inverse Universe

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



43, 122.831, 312.514



42, 124.391, 312.236



60, 113.458, 328.876



49, 7.970, 310.315



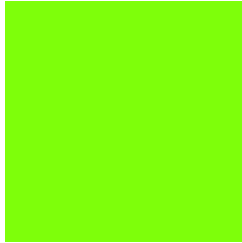
31, 100.011, 312.432



6, 44.870, 313.543

Previews

White Background



This preview shows how the CIE LCh color 90, 109.132, 128.714 looks on a white background.

Color Contrast Check

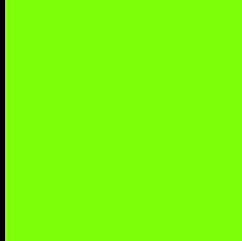
Large Text (above 18pt) WCAG AA × Fail

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, 109.132, 128.714 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

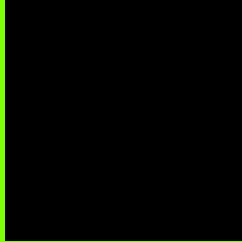
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 90, 109.132, 128.714

Background



This preview shows how black text looks on a background with the CIELCh color 90, 109.132, 128.714.



This preview shows how white text looks on a background with the CIELCh color 90, 109.132, 128.714.

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, 109.004, 128.752

Protanopia

89, 89.056, 95.021

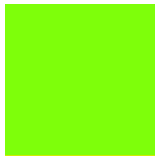
Deuteranopia

89, 30.685, 79.990



Tritanopia
90, 24.164, 221.061

Trichromacy



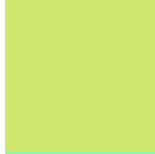
Original Color

90, 109.004, 128.752



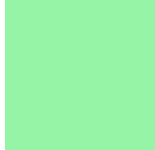
Protanomaly

89, 92.080, 110.475



Deuteranomaly

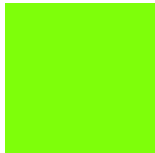
88, 61.399, 114.366



Tritanomaly

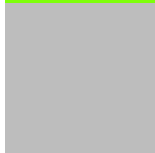
89, 52.456, 146.383

Monochromacy



Original Color

90, 109.004, 128.752



Achromatopsia

77, 0.009, 296.813



Achromatomaly

80, 49.631, 128.102

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 109.132, 128.714 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, 10)` looks like.

```
.text, #text, p{  
    color:rgb(126, 255, 10)  
}
```

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, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 255, 10) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 109.132, 128.714 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, 10) }
```

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

```
.border{ border-color:rgb(126, 255, 10) }
```

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, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 255, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 255, 10);  
box-shadow:4px 4px 4px 4px rgb(126, 255,  
10) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 109.132, 128.714 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, 10) }
```

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

```
.background{ background-color: rgb(126,  
255, 10) }
```

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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