

Converting Colors

CIELCh(90, 106.764, 128.542)

Have a look what the booklet for
CIELCh(90, 106.764, 128.542)
contains.

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Color

CIELCh(90, 106.790, 128.548)

Conversions

Conversions Part 1

Format	Color
Hex	83FF1A
RGB	131, 255, 26
RGB Percent	51%, 100%, 10%
CMY	0.4869, 0.0006, 0.8993
CMYK	0.49, 0.00, 0.90, 0.00
HSL	92°, 100%, 55%
HSV	92°, 90%, 100%
XYZ	45.2257, 76.3034, 13.3023
YIQ	191.8180, -0.3950, -97.5070

Conversions

Conversions Part 2

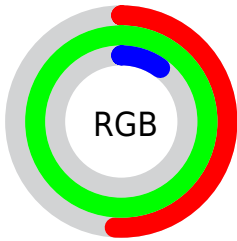
Format	Color
RYB	26, 255, 150
Decimal	8650522
CIELab	90.00, -66.55, 83.52
CIElCh	90, 106.790, 128.548
Yxy	76.3034, 0.3354, 0.5659
Android (android.graphics.Color)	4286840602 (0xFF83FF1A)
YUV	191.8180, -81.7483, -53.3374
Hunter-Lab	87.3518, -60.4487, 52.1174

Details

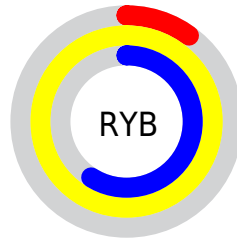
The CIELCh color **90, 106.790, 128.548** is a dark color, and the websafe version is hex **99FF00**. The color can be described as middle washed chartreuse. A complement of this color would be **45, 119.230, 313.336**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 77.992, 122.784**, and **70, 94.757, 132.932** is the 20% darker color. If you saturate the color by 10%, you get **89, 110.808, 129.648**, and if you desaturate by 10%, it is **91, 100.294, 127.898**.

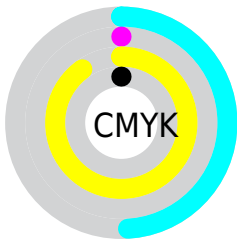
Distribution



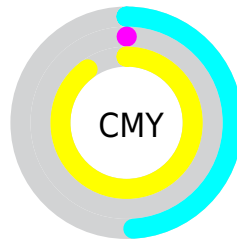
- Red (51%)
- Green (100%)
- Blue (10%)



- Red (10%)
- Yellow (100%)
- Blue (59%)



- Cyan (49%)
- Magenta (0%)
- Yellow (90%)
- Black (0%)





- Cyan (49%)
- Magenta (0%)
- Yellow (90%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 106.790, 128.548 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, 106.790, 128.548 by changing the saturation by 10% instead.


 90, 106.790,
128.548


 90, 106.790,
128.548

 100, 106.790,
128.548


 80, 106.790,
128.548

 70, 106.790,
128.548

 60, 106.790,
128.548

 50, 106.790,
128.548

 40, 106.790,
128.548

 30, 106.790,
128.548

 20, 106.790,

128.548

■ 10, 106.790,
128.548

■ 0, 106.790,
128.548

■ 90, 106.790,
128.548

■ 90, 106.790,
128.548

■ 89, 110.808,
129.648

■ 91, 100.294,
127.898

■ 89, 110.836,
129.656

■ 91, 91.316,
127.704

■ 92, 80.413,
127.840

■ 93, 68.183,
128.179

■ 94, 55.108,
128.624

■ 96, 41.534,
129.111

■ 97, 27.702,
129.601

■ 98, 13.778,
130.074

100, 0.098,
313.812

Harmonies

Complementary

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



90, 106.790, 128.548



45, 119.230, 313.336

Rectangle

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



90, 106.790, 128.548



90, 106.790, 178.548



90, 106.790, 308.548



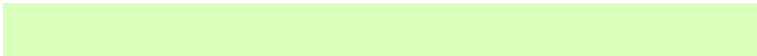
90, 106.790, 358.548

Sweetspot

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



90, 106.790, 128.549



96, 37.530, 129.255



71, 79.645, 65.525



51, 25.263, 129.086



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, 106.790, 128.549



90, 110.887, 129.657



88, 116.072, 136.714



52, 7.899, 130.093



69, 89.055, 129.379



23, 39.578, 127.877

Inverse Universe

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



45, 119.230, 313.336



42, 123.925, 312.652



61, 110.601, 329.442



49, 7.999, 310.897



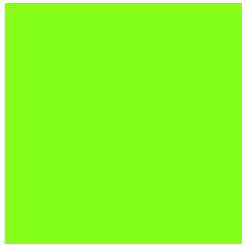
31, 99.643, 312.848



6, 44.839, 314.018

Previews

White Background



This preview shows how the CIE LCh color 90, 106.790, 128.548 looks on a white background.

Color Contrast Check

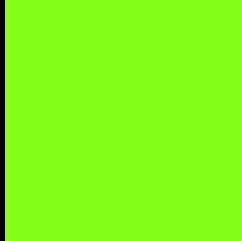
Large Text (above 18pt) WCAG AA × Fail

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, 106.790, 128.548 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, 106.790, 128.548

Background



This preview shows how black text looks on a background with the CIELCh color 90, 106.790, 128.548.

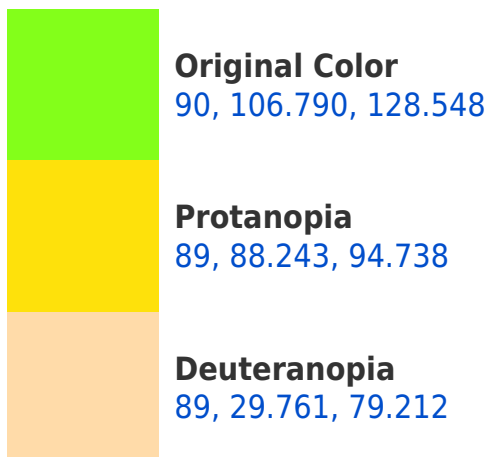



This preview shows how white text looks on a background with the CIELCh color 90, 106.790,

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](#).

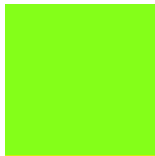
Dichromacy





Tritanopia
90, 23.667, 221.598

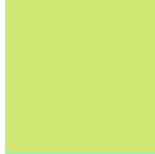
Trichromacy



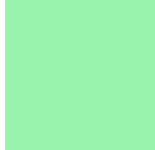
Original Color
90, 106.790, 128.548



Protanomaly
89, 90.967, 110.113

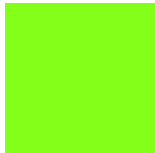


Deuteranomaly
88, 58.147, 114.291

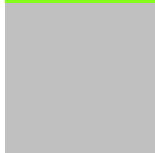


Tritanomaly
89, 48.828, 147.887

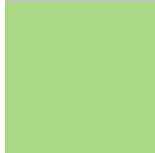
Monochromacy



Original Color
90, 106.790, 128.548



Achromatopsia
78, 0.009, 296.813



Achromatomaly
81, 46.495, 128.738

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 106.790, 128.548 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(131, 255, 26)` looks like.

```
.text, #text, p{  
    color:rgb(131, 255, 26)  
}
```

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(131, 255, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 255, 26) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 106.790, 128.548 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(131, 255, 26) }
```

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

```
.border{ border-color:rgb(131, 255, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 255, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 255, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 255, 26);  
box-shadow:4px 4px 4px 4px rgb(131, 255,  
26) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 106.790, 128.548 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 255, 26) }
```

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

```
.background{ background-color: rgb(131,  
255, 26) }
```

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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