

Converting Colors

CIELCh(90, 106.925, 129.614)

Have a look what the booklet for
CIELCh(90, 106.925, 129.614)
contains.

CIELCh(90, 106.814, 129.591)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	25
<i>CSS Examples</i>	28

Color

CIELCh(90, 106.814, 129.591)

Conversions

Conversions Part 1

Format	Color
Hex	7DFF21
RGB	125, 255, 33
RGB Percent	49%, 100%, 13%
CMY	0.5079, 0.0000, 0.8715
CMYK	0.51, 0.00, 0.87, 0.00
HSL	95°, 100%, 56%
HSV	95°, 87%, 100%
XYZ	44.6978, 76.3034, 13.7934
YIQ	190.8220, -6.2180, -96.6020

Conversions

Conversions Part 2

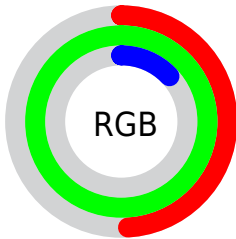
Format	Color
RYB	33, 255, 163
Decimal	8257313
CIELab	90.00, -68.07, 82.31
CIElCh	90, 106.814, 129.591
Yxy	76.3034, 0.3316, 0.5661
Android (android.graphics.Color)	4286447393 (0xFF7DFF21)
YUV	190.8220, -77.8062, -57.7259
Hunter-Lab	87.3518, -61.5273, 51.7840

Details

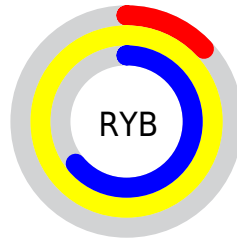
The CIELCh color **90, 106.814, 129.591** is a dark color, and the websafe version is hex **66FF00**. The color can be described as middle washed chartreuse. A complement of this color would be **47, 116.682, 314.561**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 77.502, 124.387**, and **70, 95.706, 133.737** is the 20% darker color. If you saturate the color by 10%, you get **89, 111.276, 130.519**, and if you desaturate by 10%, it is **91, 99.295, 129.102**.

Distribution



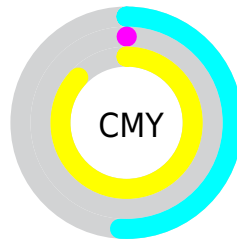
- Red (49%)
- Green (100%)
- Blue (13%)



- Red (13%)
- Yellow (100%)
- Blue (64%)



- Cyan (51%)
- Magenta (0%)
- Yellow (87%)
- Black (0%)





- Cyan (51%)
- Magenta (0%)
- Yellow (87%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 106.814, 129.591 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, 106.814, 129.591 by changing the saturation by 10% instead.


 90, 106.814,
129.591


 90, 106.814,
129.591


 100, 106.814,
129.591


 80, 106.814,
129.591

 70, 106.814,
129.591

 60, 106.814,
129.591


 50, 106.814,
129.591


 40, 106.814,
129.591


 30, 106.814,
129.591


 20, 106.814,


129.591


 10, 106.814,
129.591


 0, 106.814,
129.591


 90, 106.814,
129.591


 90, 106.814,
129.591


 89, 111.276,
130.519

 91, 99.295,
129.102

 89, 112.293,
130.824

 91, 89.585,
129.055

 92, 78.102,
129.293

 93, 65.425,
129.694

■ 94, 52.004,
130.171

■ 96, 38.159,
130.670

■ 97, 24.114,
131.158

■ 99, 10.024,
131.624

100, 0.012,
296.813

Harmonies

Complementary

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



90, 106.814, 129.591



47, 116.682, 314.561

Rectangle

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



90, 106.814, 129.591



90, 106.814, 179.591



90, 106.814, 309.591



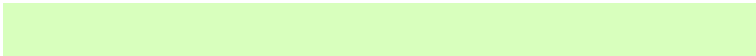
90, 106.814, 359.591

Sweetspot

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



90, 106.630, 129.566



96, 36.555, 130.727



74, 77.641, 69.172



51, 24.760, 130.555



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, 106.630, 129.566



89, 112.293, 130.824



88, 113.337, 137.435



52, 7.981, 131.516



69, 90.180, 130.557



23, 40.055, 129.128

Inverse Universe

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



47, 116.682, 314.561



44, 122.802, 313.726



60, 107.075, 330.711



49, 8.074, 312.301



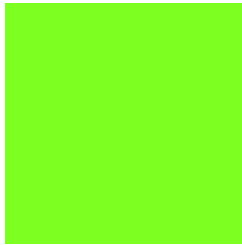
32, 98.758, 313.919



7, 44.727, 315.185

Previews

White Background



This preview shows how the CIE LCh color 90, 106.814, 129.591 looks on a white background.

Color Contrast Check

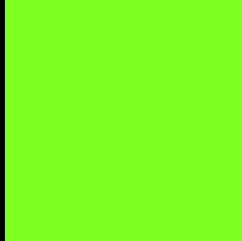
Large Text (above 18pt) WCAG AA × Fail

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, 106.814, 129.591 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

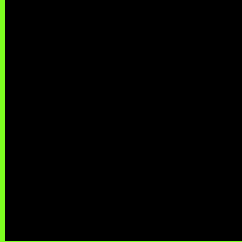
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

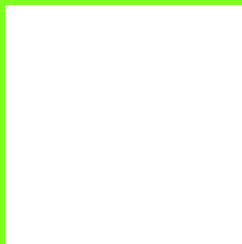
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 106.814, 129.591

Background



This preview shows how black text looks on a background with the CIELCh color 90, 106.814, 129.591.



This preview shows how white text looks on a background with the CIELCh color 90, 106.814, 129.591.

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, 106.662, 129.638

Protanopia

89, 86.972, 95.009

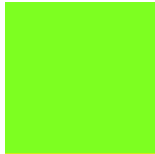
Deuteranopia

89, 30.223, 79.608



Tritanopia
90, 24.411, 220.802

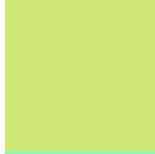
Trichromacy



Original Color
90, 106.662, 129.638



Protanomaly
89, 89.842, 110.820

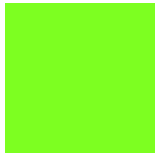


Deuteranomaly
88, 57.384, 115.274

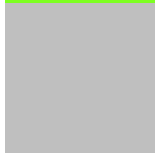


Tritanomaly
89, 49.447, 149.500

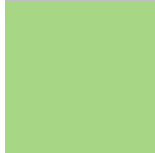
Monochromacy



Original Color
90, 106.662, 129.638



Achromatopsia
77, 0.009, 296.813



Achromatomaly
81, 45.921, 130.068

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 106.814, 129.591 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, 33)` looks like.

```
.text, #text, p{  
    color:rgb(125, 255, 33)  
}
```

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, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 255, 33) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 106.814, 129.591 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, 33) }
```

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

```
.border{ border-color:rgb(125, 255, 33) }
```

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, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 255, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 255, 33);  
box-shadow:4px 4px 4px 4px rgb(125, 255,  
33) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 106.814, 129.591 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, 33) }
```

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

```
.background{ background-color: rgb(125,  
255, 33) }
```

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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