

# Converting Colors

CIELCh(90, 102.052, 127.782)

Have a look what the booklet for  
CIELCh(90, 102.052, 127.782)  
contains.

<b>CIELCh(90, 101.949, 127.734)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	21
<b><i>Color Blindness Simulation</i></b> .....	25
<b><i>CSS Examples</i></b> .....	28

**Color**

**CIELCh(90, 101.949, 127.734)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	8DFD2A
RGB	141, 253, 42
RGB Percent	55%, 99%, 16%
CMY	0.4458, 0.0066, 0.8335
CMYK	0.44, 0.00, 0.83, 0.01
HSL	92°, 98%, 58%
HSV	92°, 83%, 99%
XYZ	46.6856, 76.3034, 14.4992
YIQ	195.4580, 0.9790, -89.3650

# Conversions

## Conversions Part 2

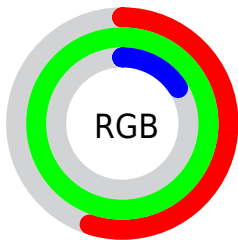
Format	Color
<a href="#">RYB</a>	42, 253, 154
Decimal	9305386
CIELab	90.00, -62.39, 80.63
CIElCh	90, 101.949, 127.734
Yxy	76.3034, 0.3396, 0.5550
Android (android.graphics.Color)	4287495466 (0xFF8DFD2A)
YUV	195.4580, -75.6548, -47.7597
Hunter-Lab	87.3518, -57.4654, 51.3049

# Details

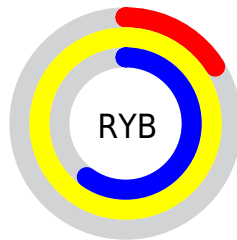
The CIELCh color **90, 101.949, 127.734** is a dark color, and the websafe version is hex **99FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **47, 113.907, 313.319**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **94, 73.747, 121.290**, and **70, 92.103, 131.153** is the 20% darker color. If you saturate the color by 10%, you get **89, 107.506, 128.564**, and if you desaturate by 10%, it is **91, 93.809, 127.393**.

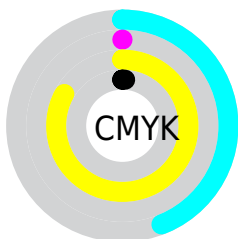
# Distribution



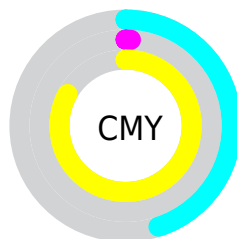
- Red (55%)
- Green (99%)
- Blue (16%)



- Red (16%)
- Yellow (99%)
- Blue (60%)



- Cyan (44%)
- Magenta (0%)
- Yellow (83%)
- Black (1%)




- Cyan (45%)
- Magenta (1%)
- Yellow (83%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 101.949, 127.734 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, 101.949, 127.734 by changing the saturation by 10% instead.





 90, 101.949,  
127.734


 90, 101.949,  
127.734


 100, 101.949,  
127.734


 80, 101.949,  
127.734


 70, 101.949,  
127.734

 60, 101.949,  
127.734


 50, 101.949,  
127.734


 40, 101.949,  
127.734


 30, 101.949,  
127.734


 20, 101.949,


127.734


 10, 101.949,  
127.734


 0, 101.949,  
127.734


 90, 101.949,  
127.734


 90, 101.949,  
127.734


 89, 107.506,  
128.564

 91, 93.809,  
127.393

 89, 109.975,  
129.349

 91, 83.558,  
127.428

 92, 71.803,  
127.707

 93, 59.066,  
128.121

95, 45.732,  
128.598

96, 32.071,  
129.089

97, 18.269,  
129.570

99, 4.454, 130.045

100, 1.059,  
324.187

# Harmonies

# Complementary

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



90, 101.949, 127.734



47, 113.907, 313.319

# Rectangle

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



90, 101.949, 127.734



90, 101.949, 177.734



90, 101.949, 307.734



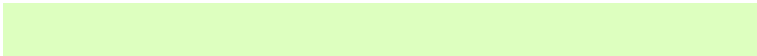
90, 101.949, 357.734

# Sweetspot

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



90, 101.949, 127.735



96, 34.674, 129.003



72, 74.825, 65.587



51, 23.636, 128.830



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, 101.949, 127.735



90, 110.538, 129.354



88, 112.497, 137.020



52, 7.879, 129.745



69, 88.776, 129.075



23, 39.462, 127.558



# Inverse Universe

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



47, 113.907, 313.319



42, 124.199, 312.405



61, 108.698, 328.675



49, 7.982, 310.555



31, 99.859, 312.601

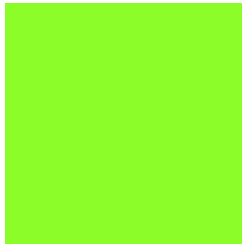


6, 44.858, 313.738



# Previews

## White Background



This preview shows how the CIE LCh color 90, 101.949, 127.734 looks on a white background.

## Color Contrast Check

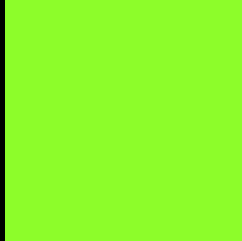
Large Text (above 18pt) WCAG AA × Fail

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, 101.949, 127.734 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

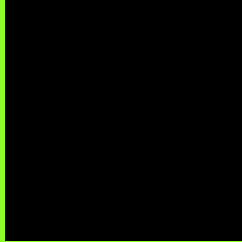
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 90, 101.949, 127.734

## Background



This preview shows how black text looks on a background with the CIELCh color 90, 101.949, 127.734.



This preview shows how white text looks on a background with the CIELCh color 90, 101.949, 127.734.





# 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, 101.949, 127.734

### Protanopia

89, 84.795, 94.988

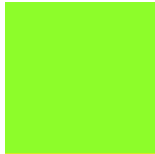
### Deuteranopia

89, 29.301, 78.803



**Tritanopia**  
90, 22.329, 224.694

# Trichromacy



**Original Color**  
90, 101.949, 127.734



**Protanomaly**  
89, 87.050, 109.584

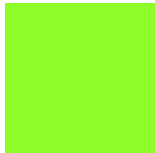


**Deuteranomaly**  
88, 54.213, 113.041

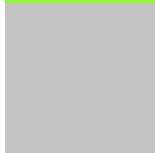


**Tritanomaly**  
89, 44.331, 148.504

# Monochromacy



**Original Color**  
90, 101.949, 127.734



**Achromatopsia**  
79, 0.010, 296.813



**Achromatomaly**  
82, 43.030, 128.550

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 90, 101.949, 127.734 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(141, 253, 42)` looks like.

```
.text, #text, p{  
    color:rgb(141, 253, 42)  
}
```

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(141, 253, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 253, 42) }
```

## Border

The CSS property to change the border of an element to CIELCh 90, 101.949, 127.734 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(141, 253, 42) }
```

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

```
.border{ border-color:rgb(141, 253, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 253, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 253, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 253, 42);  
box-shadow:4px 4px 4px 4px rgb(141, 253,  
42) }
```

# Background

The CSS property to change the background color of an element to CIELCh 90, 101.949, 127.734 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 253, 42) }
```

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

```
.background{ background-color: rgb(141,  
253, 42) }
```

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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