

# Converting Colors

CIELCh(91, 99.029, 126.366)

Have a look what the booklet for  
CIELCh(91, 99.029, 126.366)  
contains.

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**Color**

**CIELCh(91, 99.028, 126.365)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9AFF33
RGB	154, 255, 51
RGB Percent	60%, 100%, 20%
CMY	0.3969, 0.0007, 0.8009
CMYK	0.40, 0.00, 0.80, 0.00
HSL	90°, 100%, 60%
HSV	90°, 80%, 100%
XYZ	49.5787, 78.4833, 15.6389
YIQ	201.5450, 5.2880, -84.8560

# Conversions

## Conversions Part 2

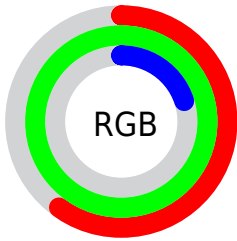
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	51, 255, 152
Decimal	10157875
CIE Lab	91.00, -58.72, 79.74
CIE LCh	91, 99.028, 126.365
Yxy	78.4833, 0.3450, 0.5462
Android (android.graphics.Color)	4288347955 (0xFF9AFF33)
YUV	201.5450, -74.2187, -41.6970
Hunter-Lab	88.5908, -55.1387, 51.5471

# Details

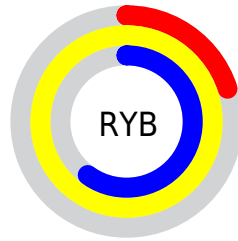
The CIELCh color **91, 99.028, 126.365** is a light color, and the websafe version is hex **99FF33**. The color can be described as light washed chartreuse. A complement of this color would be **47, 112.003, 312.440**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 69.891, 118.151**, and **71, 90.843, 129.165** is the 20% darker color. If you saturate the color by 10%, you get **90, 105.342, 127.063**, and if you desaturate by 10%, it is **92, 90.245, 126.134**.

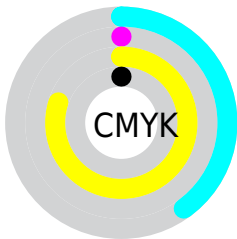
# Distribution



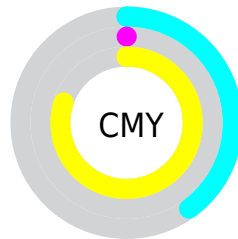
- Red (60%)
- Green (100%)
- Blue (20%)



- Red (20%)
- Yellow (100%)
- Blue (60%)



- Cyan (40%)
- Magenta (0%)
- Yellow (80%)
- Black (0%)




- Cyan (40%)
- Magenta (0%)
- Yellow (80%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 91, 99.028, 126.365 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 91, 99.028, 126.365 by changing the saturation by 10% instead.





 91, 99.028,  
126.365


 91, 99.028,  
126.365


 100, 99.028,  
126.365


 81, 99.028,  
126.365


 71, 99.028,  
126.365

 61, 99.028,  
126.365


 51, 99.028,  
126.365

 41, 99.028,  
126.365


 31, 99.028,  
126.365


 21, 99.028,


126.365


 11, 99.028,  
126.365


 1, 99.028, 126.365


 91, 99.028,  
126.365


 91, 99.028,  
126.365


 90, 105.342,  
127.063

 92, 90.245,  
126.134

 90, 109.198,  
128.202

 93, 79.540,  
126.240

 93, 67.510,  
126.559

 95, 54.632,  
126.992

■ 96, 41.249,  
127.476

■ 97, 27.599,  
127.970

■ 98, 13.844,  
128.452

100, 0.097,  
130.327

100, 0.128,  
322.020

# Harmonies

# Complementary

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



91, 99.028, 126.365



47, 112.003, 312.440

# Rectangle

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



91, 99.028, 126.365



91, 99.028, 176.365



91, 99.028, 306.365



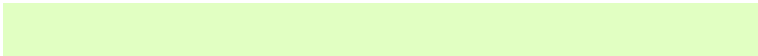
91, 99.028, 356.365

# Sweetspot

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



91, 99.028, 126.366



97, 32.991, 127.777



72, 72.880, 63.243



51, 22.644, 127.601



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



91, 99.028, 126.366



90, 107.888, 127.719



88, 111.331, 136.873



53, 7.813, 128.479



69, 87.758, 127.918



24, 39.046, 126.364



# Inverse Universe

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



47, 112.003, 312.440



42, 123.498, 311.840



62, 108.645, 327.455



49, 7.923, 309.316



30, 100.641, 311.757

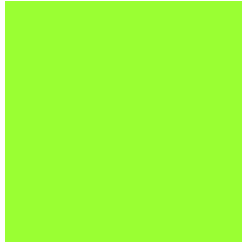


6, 44.905, 312.740



# Previews

## White Background



This preview shows how the CIE LCh color 91, 99.028, 126.365 looks on a white background.

## Color Contrast Check

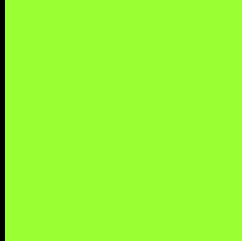
Large Text (above 18pt) WCAG AA × Fail

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 91, 99.028, 126.365 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

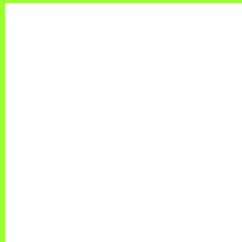
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 91, 99.028, 126.365

## Background



This preview shows how black text looks on a background with the CIELCh color 91, 99.028, 126.365.



This preview shows how white text looks on a background with the CIELCh color 91, 99.028, 126.365.

# 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

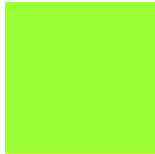






**Tritanopia**  
91, 19.102, 227.914

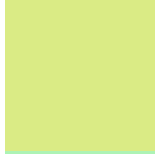
# Trichromacy



**Original Color**  
91, 99.028, 126.365



**Protanomaly**  
90, 81.115, 109.621

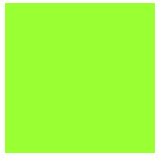


**Deuteranomaly**  
90, 51.764, 113.577

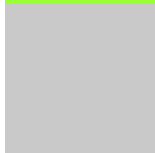


**Tritanomaly**  
90, 40.898, 145.615

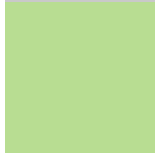
# Monochromacy



**Original Color**  
91, 99.028, 126.365



**Achromatopsia**  
81, 0.010, 296.813



**Achromatomaly**  
84, 41.376, 127.239

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 91, 99.028, 126.365 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(154, 255, 51)` looks like.

```
.text, #text, p{  
    color:rgb(154, 255, 51)  
}
```

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(154, 255, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 255, 51) }
```

## Border

The CSS property to change the border of an element to CIELCh 91, 99.028, 126.365 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(154, 255, 51) }
```

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

```
.border{ border-color:rgb(154, 255, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 255, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 255, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 255, 51);  
box-shadow:4px 4px 4px 4px rgb(154, 255,  
51) }
```

# Background

The CSS property to change the background color of an element to CIELCh 91, 99.028, 126.365 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 255, 51) }
```

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

```
.background{ background-color: rgb(154,  
255, 51) }
```

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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