

# Converting Colors

CIELCh(85, 94.151, 118.052)

Have a look what the booklet for  
CIELCh(85, 94.151, 118.052)  
contains.

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**Color**

**CIELCh(85, 93.835, 118.064)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ABE701
RGB	171, 231, 1
RGB Percent	67%, 91%, 0%
CMY	0.3282, 0.0930, 0.9959
CMYK	0.26, 0.00, 1.00, 0.09
HSL	76°, 99%, 46%
HSV	76°, 100%, 91%
XYZ	45.5222, 66.0070, 10.3703
YIQ	186.8400, 38.0700, -84.2500

# Conversions

## Conversions Part 2

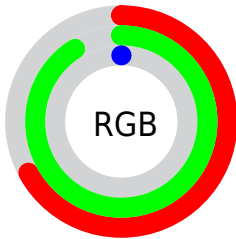
<b>Format</b>	<b>Color</b>
<b>RYB</b>	1, 231, 61
Decimal	11265793
CIELab	85.00, -44.15, 82.80
CIELCh	85, 93.835, 118.064
Yxy	66.0070, 0.3734, 0.5415
Android (android.graphics.Color)	4289455873 (0xFFABE701)
YUV	186.8400, -91.6191, -13.8917
Hunter-Lab	81.2447, -42.1630, 49.3033

# Details

The CIELCh color **85, 93.835, 118.064** is a dark color, and the websafe version is hex **CCFF33**. The color can be described as middle washed chartreuse. A complement of this color would be **31, 121.361, 307.735**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 78.919, 111.341**, and **65, 78.509, 122.587** is the 20% darker color. If you saturate the color by 10%, you get **85, 93.948, 118.107**, and if you desaturate by 10%, it is **85, 90.911, 117.188**.

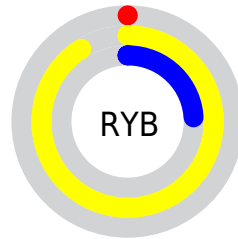
# Distribution



Red (67%)

Green (91%)

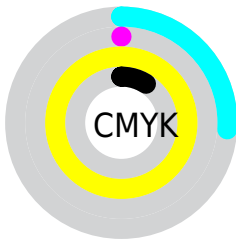
Blue (0%)



Red (0%)

Yellow (91%)

Blue (24%)

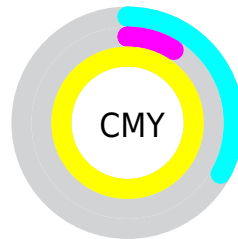


Cyan (26%)

Magenta (0%)

Yellow (100%)

Black (9%)



Cyan (33%)

Magenta (9%)


Yellow (100%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 93.835, 118.064 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 85, 93.835, 118.064 by changing the saturation by 10% instead.





 85, 93.835,  
118.064


 85, 93.835,  
118.064


 100, 93.835,  
118.064


 75, 93.835,  
118.064

 65, 93.835,  
118.064

 55, 93.835,  
118.064

 45, 93.835,  
118.064

 35, 93.835,  
118.064


 25, 93.835,  
118.064


 15, 93.835,


118.064


 5, 93.835, 118.064

 0, 93.835, 118.064

 85, 93.835,  
118.064

 85, 93.835,  
118.064

 85, 93.948,  
118.107

 85, 90.911,  
117.188

 86, 85.719,  
116.726

 86, 78.255,  
116.663

 87, 69.036,  
116.897

 88, 58.604,

117.326

■ 88, 47.390,  
117.870

■ 89, 35.696,  
118.475

■ 90, 23.724,  
119.103

■ 91, 11.609,  
119.731

# Harmonies

# Complementary

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



85, 93.835, 118.064



31, 121.361, 307.735

# Rectangle

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



85, 93.835, 118.064



85, 93.835, 168.064



85, 93.835, 298.064



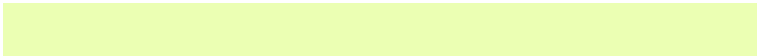
85, 93.835, 348.064

# Sweetspot

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



85, 93.835, 118.066



97, 39.208, 118.437



52, 90.252, 44.847



51, 26.669, 118.177



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

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



85, 93.835, 118.066



93, 101.184, 118.179



81, 108.367, 134.118



48, 6.861, 119.737



67, 77.295, 117.883



19, 30.205, 117.524



# Inverse Universe

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



31, 121.361, 307.735



35, 130.982, 307.692



45, 110.193, 318.896



44, 6.997, 300.913



23, 99.974, 307.871

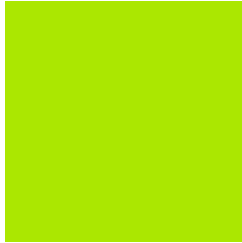


3, 34.313, 303.081



# Previews

## White Background



This preview shows how the CIE LCh color 85, 93.835, 118.064 looks on a white background.

## Color Contrast Check

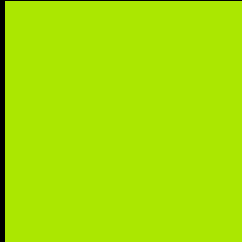
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the CIELCh color 85, 93.835, 118.064 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 85, 93.835, 118.064**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 85, 93.835, 118.064.



This preview shows how white text looks on a background with the CIELCh color 85, 93.835, 118.064.

# 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

85, 93.757, 118.082

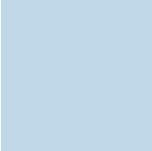
### Protanopia

85, 85.195, 94.869

### Deuteranopia

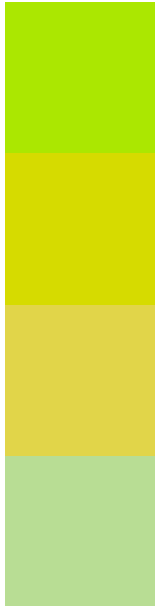
85, 51.566, 80.616





**Tritanopia**  
85, 11.703, 249.129

# Trichromacy



**Original Color**  
85, 93.757, 118.082

**Protanomaly**  
84, 86.431, 104.282

**Deuteranomaly**  
84, 68.528, 99.893

**Tritanomaly**  
84, 40.432, 127.766

# Monochromacy



**Original Color**  
85, 93.757, 118.082

**Achromatopsia**  
76, 0.009, 296.813

**Achromatomaly**  
78, 44.535, 117.840

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 85, 93.835, 118.064 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(171, 231, 1)` looks like.

```
.text, #text, p{  
    color:rgb(171, 231, 1)  
}
```

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(171, 231, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 231, 1) }
```

## Border

The CSS property to change the border of an element to CIELCh 85, 93.835, 118.064 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(171, 231, 1) }
```

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

```
.border{ border-color:rgb(171, 231, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 231, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 231, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 231, 1);  
box-shadow:4px 4px 4px 4px rgb(171, 231,  
1) }
```

# Background

The CSS property to change the background color of an element to CIELCh 85, 93.835, 118.064 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 231, 1) }
```

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

```
.background{ background-color: rgb(171,  
231, 1) }
```

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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