

# Converting Colors

CIELCh(89, 93.331, 111.121)

Have a look what the booklet for  
CIELCh(89, 93.331, 111.121)  
contains.

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**Color**

**CIELCh(89, 93.162, 111.119)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CEEE00
RGB	206, 238, 0
RGB Percent	81%, 93%, 0%
CMY	0.1928, 0.0672, 1.0000
CMYK	0.13, 0.00, 1.00, 0.07
HSL	68°, 100%, 47%
HSV	68°, 100%, 93%
XYZ	55.9411, 74.1641, 11.3515
YIQ	201.3000, 57.3260, -80.8020

# Conversions

## Conversions Part 2

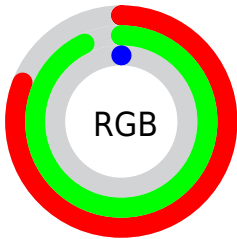
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 238, 32
Decimal	13561344
CIELab	89.00, -33.57, 86.90
CIElCh	89, 93.162, 111.119
Yxy	74.1641, 0.3955, 0.5243
Android (android.graphics.Color)	4291751424 (0xFFCCEE00)
YUV	201.3000, -99.2409, 4.1219
Hunter-Lab	86.1186, -34.7572, 52.4679

# Details

The CIELCh color **89, 93.162, 111.119** is a dark color, and the websafe version is hex **CCFF33**. The color can be described as middle washed yellow. A complement of this color would be **31, 126.074, 306.718**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 77.517, 104.262**, and **69, 77.061, 114.270** is the 20% darker color. If you saturate the color by 10%, you get **89, 93.124, 111.127**, and if you desaturate by 10%, it is **89, 90.708, 110.662**.

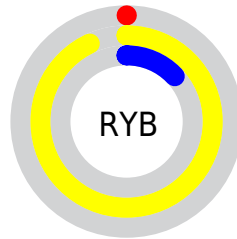
# Distribution



Red (81%)

Green (93%)

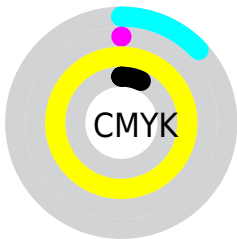
Blue (0%)



Red (0%)

Yellow (93%)

Blue (13%)

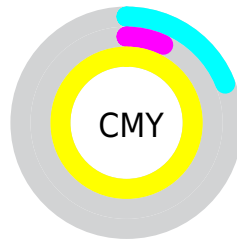


Cyan (13%)

Magenta (0%)

Yellow (100%)

Black (7%)



Cyan (19%)

Magenta (7%)


Yellow (100%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 93.162, 111.119 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 89, 93.162, 111.119 by changing the saturation by 10% instead.





 89, 93.162,  
111.119


 89, 93.162,  
111.119


 100, 93.162,  
111.119


 79, 93.162,  
111.119

 69, 93.162,  
111.119

 59, 93.162,  
111.119

 49, 93.162,  
111.119

 39, 93.162,  
111.119


 29, 93.162,  
111.119


 19, 93.162,


111.119

 9, 93.162, 111.119


 0, 93.162, 111.119


 89, 93.162,  
111.119


 89, 93.162,  
111.119

 89, 93.124,  
111.127

 89, 90.708,  
110.662

 90, 85.956,  
110.516

 90, 78.799,  
110.690

 90, 69.760,  
111.110

 91, 59.414,

111.697

■ 91, 48.219,  
112.389

■ 92, 36.499,  
113.140

■ 93, 24.468,  
113.916

■ 93, 12.267,  
114.693

# Harmonies

# Complementary

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



89, 93.162, 111.119



31, 126.074, 306.718

# Rectangle

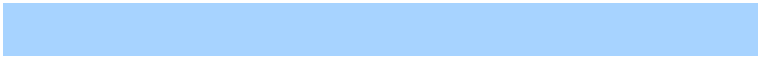
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89, 93.162, 111.119



89, 93.162, 161.119



89, 93.162, 291.119



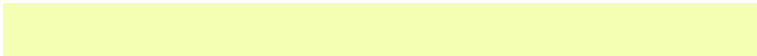
89, 93.162, 341.119

# Sweetspot

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



89, 93.124, 111.127



98, 38.613, 113.132



51, 96.865, 41.518



52, 26.255, 112.809



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

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



89, 93.124, 111.127



95, 98.168, 111.157



83, 107.972, 132.004



50, 7.014, 114.734



71, 76.666, 110.998



22, 32.181, 110.668



# Inverse Universe

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



31, 126.074, 306.718



33, 132.927, 306.700



42, 115.225, 315.178



46, 7.168, 296.229



22, 103.705, 306.796

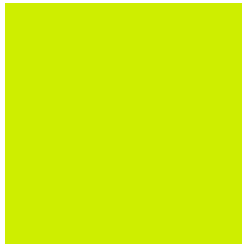


3, 38.173, 301.879



# Previews

## White Background



This preview shows how the CIE LCh color 89, 93.162, 111.119 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 89, 93.162, 111.119 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 89, 93.162, 111.119**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 89, 93.162, 111.119.



This preview shows how white text looks on a background with the CIELCh color 89, 93.162, 111.119.

# 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

89, 93.162, 111.119

### Protanopia

89, 88.766, 94.989

### Deuteranopia

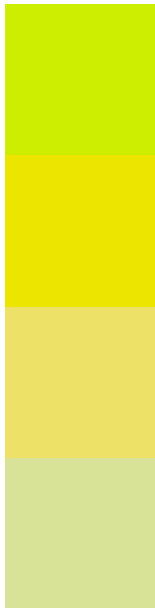
89, 32.536, 79.762





**Tritanopia**  
89, 9.467, 297.272

# Trichromacy



**Original Color**  
89, 93.162, 111.119

**Protanomaly**  
89, 89.371, 101.199

**Deuteranomaly**  
88, 60.965, 100.337

**Tritanomaly**  
88, 38.608, 112.860

# Monochromacy



**Original Color**  
89, 93.162, 111.119

**Achromatopsia**  
81, 0.010, 296.813

**Achromatomaly**  
83, 44.437, 112.097

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 89, 93.162, 111.119 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(206, 238, 0)` looks like.

```
.text, #text, p{  
    color:rgb(206, 238, 0)  
}
```

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(206, 238, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 238, 0) }
```

## Border

The CSS property to change the border of an element to CIELCh 89, 93.162, 111.119 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(206, 238, 0) }
```

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

```
.border{ border-color:rgb(206, 238, 0) }
```

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

Here you see how a box with a 4 pixel rgb(206, 238, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 238, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 238, 0);  
box-shadow:4px 4px 4px 4px rgb(206, 238,  
0) }
```

# Background

The CSS property to change the background color of an element to CIELCh 89, 93.162, 111.119 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 238, 0) }
```

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

```
.background{ background-color: rgb(206,  
238, 0) }
```

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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