

Converting Colors

CIELCh(89, 59.545, 123.778)

Have a look what the booklet for
CIELCh(89, 59.545, 123.778)
contains.

CIELCh(89, 59.528, 123.747)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(89, 59.528, 123.747)

Conversions

Conversions Part 1

Format	Color
Hex	C0EF7E
RGB	192, 239, 126
RGB Percent	75%, 94%, 49%
CMY	0.2485, 0.0642, 0.5073
CMYK	0.20, 0.00, 0.47, 0.06
HSL	85°, 78%, 71%
HSV	85°, 47%, 94%
XYZ	56.1405, 74.1641, 30.9752
YIQ	212.0650, 8.2610, -45.1070

Conversions

Conversions Part 2

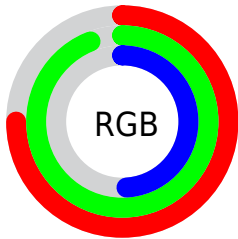
Format	Color
RYB	126, 239, 173
Decimal	12644222
CIELab	89.00, -33.07, 49.50
CIElCh	89, 59.528, 123.747
Yxy	74.1641, 0.3481, 0.4598
Android (android.graphics.Color)	4290834302 (0xFFC0EF7E)
YUV	212.0650, -42.4300, -17.5970
Hunter-Lab	86.1186, -34.3438, 38.9575

Details

The CIELCh color **89, 59.528, 123.747** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **62, 64.827, 308.894**, and the grayscale version is **85, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 37.214, 110.307**, and **69, 59.455, 123.935** is the 20% darker color. If you saturate the color by 10%, you get **88, 70.923, 123.388**, and if you desaturate by 10%, it is **90, 47.437, 124.210**.

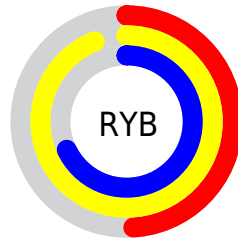
Distribution



Red (75%)

Green (94%)

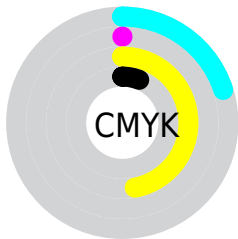
Blue (49%)



Red (49%)

Yellow (94%)

Blue (68%)

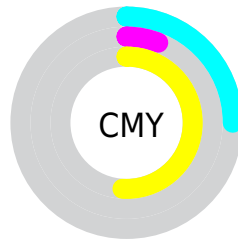


Cyan (20%)

Magenta (0%)

Yellow (47%)

Black (6%)



Cyan (25%)

Magenta (6%)

Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 59.528, 123.747 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, 59.528, 123.747 by changing the saturation by 10% instead.

■ 89, 59.528,
123.747

■ 89, 59.528,
123.747

■ 100, 59.528,
123.747

■ 79, 59.528,
123.747

■ 69, 59.528,
123.747

■ 59, 59.528,
123.747

■ 49, 59.528,
123.747

■ 39, 59.528,
123.747


■ 29, 59.528,
123.747


■ 19, 59.528,


123.747


 9, 59.528, 123.747


 0, 59.528, 123.747


 89, 59.528,
123.747

 89, 59.528,
123.747


 88, 70.923,
123.388


 90, 47.437,
124.210

 87, 81.209,
123.214


 91, 34.932,
124.716

 87, 89.854,
123.340

 92, 22.208,
125.233

 86, 96.305,
123.892

 93, 9.398, 125.741

 86, 100.303,

 95, 3.407, 306.176

124.943

96, 9.525, 318.075

86, 101.140,
125.256

96, 10.212,
324.766

Harmonies

Complementary

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



89, 59.528, 123.747



62, 64.827, 308.894

Rectangle

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



89, 59.528, 123.747



89, 59.528, 173.747



89, 59.528, 303.747



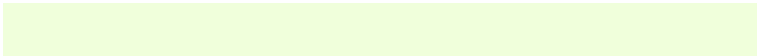
89, 59.528, 353.747

Sweetspot

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



89, 59.530, 123.748



98, 18.920, 125.401



75, 38.502, 59.249



52, 13.061, 125.290



0, 0.000, 0.000



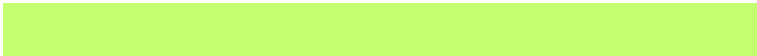
53, 0.007, 296.813

Same Dimension

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



89, 59.530, 123.748



94, 74.416, 123.392



86, 68.438, 138.478



50, 7.301, 125.633



67, 82.905, 124.984



21, 34.271, 123.896

Inverse Universe

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



62, 64.827, 308.894



59, 82.792, 309.537



68, 68.831, 323.919



46, 7.419, 306.546



27, 99.241, 310.164



4, 39.285, 309.426

Previews

White Background



This preview shows how the CIELCh color 89, 59.528, 123.747 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, 59.528, 123.747 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, 59.528, 123.747

Background



This preview shows how black text looks on a background with the CIELCh color 89, 59.528, 123.747.

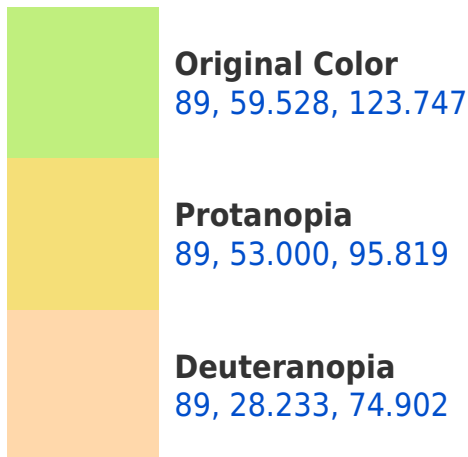


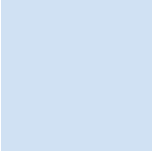
This preview shows how white text looks on a background with the CIELCh color 89, 59.528, 123.747.

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](#).

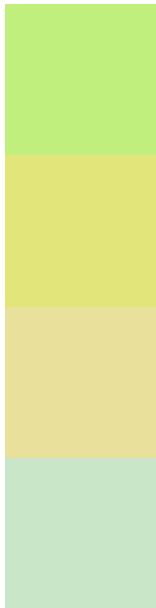
Dichromacy





Tritanopia
89, 10.886, 258.979

Trichromacy



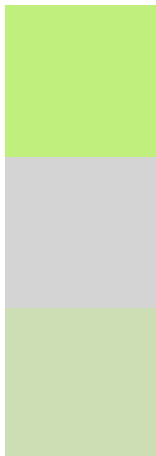
Original Color
89, 59.528, 123.747

Protanomaly
89, 53.811, 107.019

Deuteranomaly
88, 35.608, 102.050

Tritanomaly
89, 18.710, 141.930

Monochromacy



Original Color
89, 59.528, 123.747

Achromatopsia
85, 0.010, 296.813

Achromatomaly
86, 22.293, 125.126

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 59.528, 123.747 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(192, 239, 126)` looks like.

```
.text, #text, p{  
    color:rgb(192, 239, 126)  
}
```

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(192, 239, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 239, 126) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 59.528, 123.747 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(192, 239, 126) }
```

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

```
.border{ border-color:rgb(192, 239, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 239, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 239, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 239, 126);  
box-shadow:4px 4px 4px 4px rgb(192, 239,  
126) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 59.528, 123.747 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 239, 126) }
```

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

```
.background{ background-color: rgb(192,  
239, 126) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor