

Converting Colors

CIELCh(89, 66.280, 116.576)

Have a look what the booklet for
CIELCh(89, 66.280, 116.576)
contains.

CIELCh(89, 66.298, 116.579)	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, 66.298, 116.579)

Conversions

Conversions Part 1

Format	Color
Hex	CCED69
RGB	204, 237, 105
RGB Percent	80%, 93%, 41%
CMY	0.2014, 0.0720, 0.5895
CMYK	0.14, 0.00, 0.56, 0.07
HSL	75°, 78%, 67%
HSV	75°, 56%, 93%
XYZ	57.5189, 74.1641, 24.5585
YIQ	212.0850, 22.7040, -48.0480

Conversions

Conversions Part 2

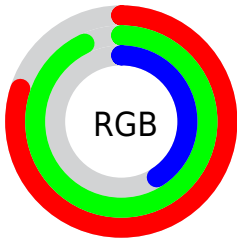
Format	Color
R _{YB}	105, 237, 138
Decimal	13430121
CIE _{Lab}	89.00, -29.66, 59.29
CIE _{LCh}	89, 66.298, 116.579
Yxy	74.1641, 0.3681, 0.4747
Android (android.graphics.Color)	4291620201 (0xFFCCED69)
YUV	212.0850, -52.7929, -7.0905
Hunter-Lab	86.1186, -31.4868, 43.3753

Details

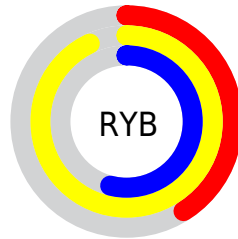
The CIELCh color **89, 66.298, 116.579** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **53, 76.043, 304.825**, and the grayscale version is **85, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 47.360, 106.557**, and **69, 66.288, 116.604** is the 20% darker color. If you saturate the color by 10%, you get **88, 76.179, 116.252**, and if you desaturate by 10%, it is **90, 55.359, 117.072**.

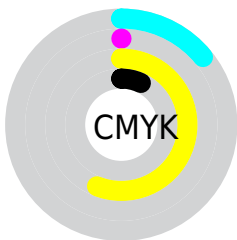
Distribution



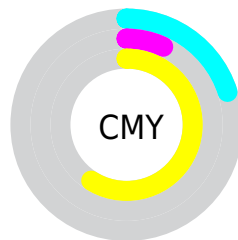
- Red (80%)
- Green (93%)
- Blue (41%)



- Red (41%)
- Yellow (93%)
- Blue (54%)



- Cyan (14%)
- Magenta (0%)
- Yellow (56%)
- Black (7%)



- Cyan (20%)
- Magenta (7%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 66.298, 116.579 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, 66.298, 116.579 by changing the saturation by 10% instead.

■ 89, 66.298,
116.579

■ 89, 66.298,
116.579

■ 100, 66.298,
116.579

■ 79, 66.298,
116.579

■ 69, 66.298,
116.579

■ 59, 66.298,
116.579

■ 49, 66.298,
116.579

■ 39, 66.298,
116.579


■ 29, 66.298,
116.579


■ 19, 66.298,


116.579


 9, 66.298, 116.579

 0, 66.298, 116.579


 89, 66.298,
116.579


 89, 66.298,
116.579


 88, 76.179,
116.252


 90, 55.359,
117.072


 88, 84.477,
116.177

 90, 43.747,
117.655

 87, 90.626,
116.462

 91, 31.730,
118.283

 87, 94.277,
117.187

 92, 19.487,
118.925

 87, 95.310,

 93, 7.134, 119.561

117.582

■ 94, 5.247, 300.162

■ 95, 9.923, 307.948

■ 95, 10.722,
318.552

■ 96, 11.446,
324.812

Harmonies

Complementary

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



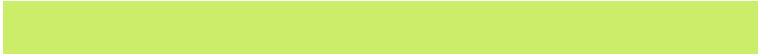
89, 66.298, 116.579



53, 76.043, 304.825

Rectangle

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



89, 66.298, 116.579



89, 66.298, 166.579



89, 66.298, 296.579



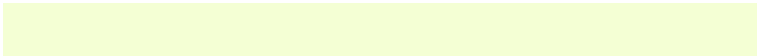
89, 66.298, 346.579

Sweetspot

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



89, 66.299, 116.581



98, 22.310, 118.842



67, 48.421, 44.444



52, 14.914, 118.712



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, 66.299, 116.581



94, 82.047, 116.222



85, 75.592, 134.224



49, 6.976, 119.328



68, 77.892, 117.360



20, 31.502, 116.762

Inverse Universe

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



53, 76.043, 304.825



50, 97.750, 306.063



61, 77.824, 319.556



45, 7.116, 300.529



23, 101.204, 307.748



3, 36.427, 303.733

Previews

White Background



This preview shows how the CIELCh color 89, 66.298, 116.579 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, 66.298, 116.579 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, 66.298, 116.579

Background



This preview shows how black text looks on a background with the CIELCh color 89, 66.298, 116.579.

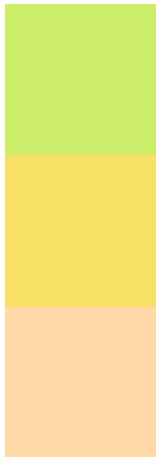


This preview shows how white text looks on a background with the CIELCh color 89, 66.298, 116.579.

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](#).

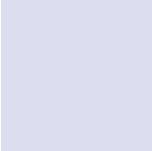
Dichromacy



Original Color
89, 66.298, 116.579

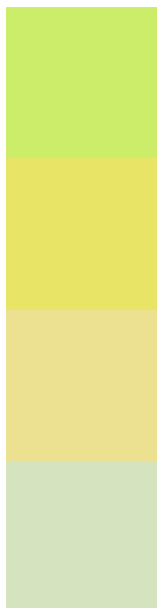
Protanopia
89, 61.816, 95.201

Deuteranopia
89, 29.781, 77.433



Tritanopia
89, 9.402, 286.738

Trichromacy



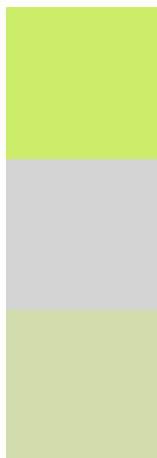
Original Color
89, 66.298, 116.579

Protanomaly
89, 62.432, 103.450

Deuteranomaly
89, 40.760, 99.930

Tritanomaly
88, 19.291, 123.247

Monochromacy



Original Color
89, 66.298, 116.579

Achromatopsia
85, 0.010, 296.813

Achromatomaly
86, 25.343, 118.544

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 66.298, 116.579 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(204, 237, 105)` looks like.

```
.text, #text, p{  
    color:rgb(204, 237, 105)  
}
```

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(204, 237, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 237, 105) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 66.298, 116.579 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(204, 237, 105) }
```

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

```
.border{ border-color:rgb(204, 237, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 237, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 237, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 237, 105);  
box-shadow:4px 4px 4px 4px rgb(204, 237,  
105) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 66.298, 116.579 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 237, 105) }
```

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

```
.background{ background-color: rgb(204,  
237, 105) }
```

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