

Converting Colors

CIELCh(89, 80.215, 116.166)

Have a look what the booklet for
CIELCh(89, 80.215, 116.166)
contains.

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Color

CIELCh(89, 80.126, 116.321)

Conversions

Conversions Part 1

Format	Color
Hex	C5EF49
RGB	197, 239, 73
RGB Percent	77%, 94%, 29%
CMY	0.2270, 0.0623, 0.7133
CMYK	0.18, 0.00, 0.69, 0.06
HSL	75°, 84%, 61%
HSV	75°, 69%, 94%
XYZ	55.1593, 74.1641, 17.7306
YIQ	207.5180, 28.2540, -60.5300

Conversions

Conversions Part 2

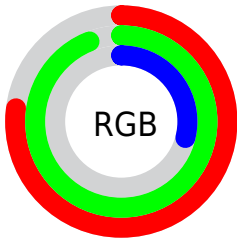
Format	Color
R _Y B	73, 239, 115
Decimal	12971849
CIE Lab	89.00, -35.53, 71.82
CIE LCh	89, 80.126, 116.321
Yxy	74.1641, 0.3751, 0.5043
Android (android.graphics.Color)	4291161929 (0xFFC5EF49)
YUV	207.5180, -66.3174, -9.2243
Hunter-Lab	86.1186, -36.3776, 48.0760

Details

The CIELCh color **89, 80.126, 116.321** is a light color, and the websafe version is hex **CCFF66**. The color can be described as light muted yellow. A complement of this color would be **45, 96.100, 306.347**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 60.873, 105.518**, and **69, 78.313, 116.867** is the 20% darker color. If you saturate the color by 10%, you get **88, 87.767, 116.374**, and if you desaturate by 10%, it is **90, 70.676, 116.566**.

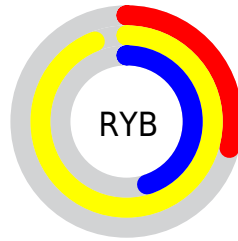
Distribution



Red (77%)

Green (94%)

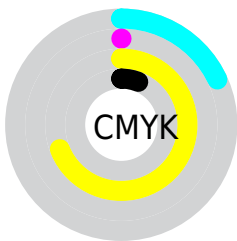
Blue (29%)



Red (29%)

Yellow (94%)

Blue (45%)

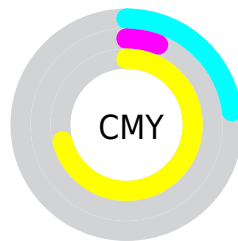


Cyan (18%)

Magenta (0%)

Yellow (69%)

Black (6%)



Cyan (23%)

Magenta (6%)

Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 80.126, 116.321 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, 80.126, 116.321 by changing the saturation by 10% instead.

■ 89, 80.126,
116.321

■ 89, 80.126,
116.321

■ 100, 80.126,
116.321

■ 79, 80.126,
116.321

■ 69, 80.126,
116.321

■ 59, 80.126,
116.321

■ 49, 80.126,
116.321

■ 39, 80.126,
116.321


■ 29, 80.126,
116.321


■ 19, 80.126,

116.321


 9, 80.126, 116.321


 0, 80.126, 116.321


 89, 80.126,
116.321


 89, 80.126,
116.321


 88, 87.767,
116.374


 90, 70.676,
116.566


 88, 93.064,
116.822

 90, 59.977,
117.004

 88, 95.999,
117.689

 91, 48.471,
117.557

 88, 96.142,
117.743

 92, 36.472,
118.171

 93, 24.187,

118.808

■ 94, 11.754,
119.445

■ 95, 0.734, 300.011

■ 95, 8.492, 305.906

■ 96, 9.282, 318.571

Harmonies

Complementary

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



89, 80.126, 116.321



45, 96.100, 306.347

Rectangle

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



89, 80.126, 116.321



89, 80.126, 166.321



89, 80.126, 296.321



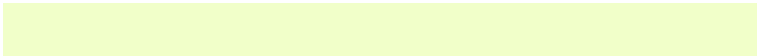
89, 80.126, 346.321

Sweetspot

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



89, 80.127, 116.323



98, 27.538, 118.702



63, 63.740, 44.925



52, 18.618, 118.525



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, 80.127, 116.323



94, 94.611, 116.495



85, 91.638, 133.575



50, 7.103, 119.441



69, 78.775, 117.525



21, 32.848, 116.702

Inverse Universe

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



45, 96.100, 306.347



40, 118.656, 307.443



55, 94.411, 319.791



46, 7.245, 300.639



24, 102.227, 307.772



3, 38.591, 304.720

Previews

White Background



This preview shows how the CIELCh color 89, 80.126, 116.321 looks on a white background.

Color Contrast Check

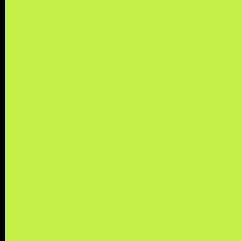
Large Text (above 18pt) WCAG AA × Fail

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, 80.126, 116.321 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

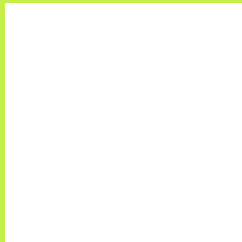
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 80.126, 116.321

Background



This preview shows how black text looks on a background with the CIELCh color 89, 80.126, 116.321.

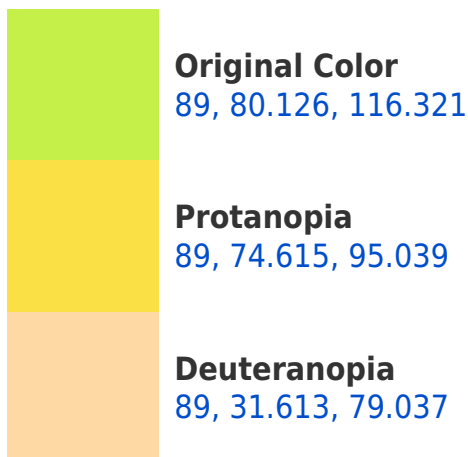


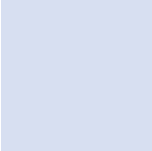
This preview shows how white text looks on a background with the CIELCh color 89, 80.126, 116.321.

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](#).

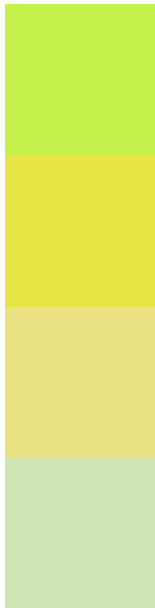
Dichromacy





Tritanopia
89, 9.724, 274.561

Trichromacy



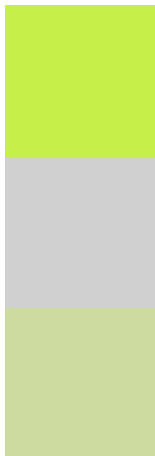
Original Color
89, 80.126, 116.321

Protanomaly
89, 75.426, 103.300

Deuteranomaly
88, 47.911, 101.750

Tritanomaly
88, 26.555, 125.493

Monochromacy



Original Color
89, 80.126, 116.321

Achromatopsia
83, 0.010, 296.813

Achromatomaly
85, 31.651, 118.183

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 80.126, 116.321 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(197, 239, 73)` looks like.

```
.text, #text, p{  
    color:rgb(197, 239, 73)  
}
```

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(197, 239, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 239, 73) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 80.126, 116.321 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(197, 239, 73) }
```

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

```
.border{ border-color:rgb(197, 239, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 239, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 239, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 239, 73);  
box-shadow:4px 4px 4px 4px rgb(197, 239,  
73) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 80.126, 116.321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 239, 73) }
```

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

```
.background{ background-color: rgb(197,  
239, 73) }
```

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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