

Converting Colors

CIELCh(89, 82.244, 117.662)

Have a look what the booklet for
CIELCh(89, 82.244, 117.662)
contains.

CIELCh(89, 82.068, 117.633)	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, 82.068, 117.633)

Conversions

Conversions Part 1

Format	Color
Hex	C0F046
RGB	192, 240, 70
RGB Percent	75%, 94%, 27%
CMY	0.2460, 0.0578, 0.7244
CMYK	0.20, 0.00, 0.71, 0.06
HSL	77°, 85%, 61%
HSV	77°, 71%, 94%
XYZ	54.1593, 74.1641, 17.3016
YIQ	206.2680, 25.9620, -63.0460

Conversions

Conversions Part 2

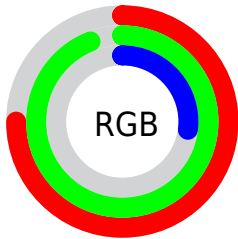
Format	Color
RYB	70, 240, 118
Decimal	12644422
CIELab	89.00, -38.06, 72.71
CIElCh	89, 82.068, 117.633
Yxy	74.1641, 0.3719, 0.5093
Android (android.graphics.Color)	4290834502 (0xFFC0F046)
YUV	206.2680, -67.1801, -12.5130
Hunter-Lab	86.1186, -38.4504, 48.3714

Details

The CIELCh color **89, 82.068, 117.633** is a light color, and the websafe version is hex **CCFF66**. The color can be described as light washed yellow. A complement of this color would be **45, 98.078, 307.108**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 62.226, 106.532**, and **69, 79.322, 118.479** is the 20% darker color. If you saturate the color by 10%, you get **88, 89.553, 117.779**, and if you desaturate by 10%, it is **90, 72.699, 117.809**.

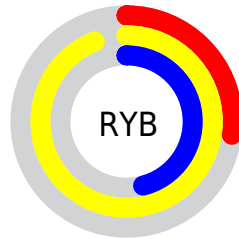
Distribution



Red (75%)

Green (94%)

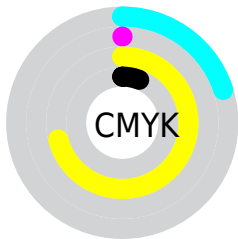
Blue (27%)



Red (27%)

Yellow (94%)

Blue (46%)

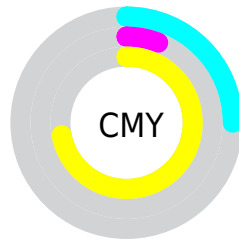


Cyan (20%)

Magenta (0%)

Yellow (71%)

Black (6%)



Cyan (25%)


Magenta (6%)


Yellow (72%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 82.068, 117.633 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, 82.068, 117.633 by changing the saturation by 10% instead.


 89, 82.068,
117.633

 89, 82.068,
117.633


 100, 82.068,
117.633

 79, 82.068,
117.633

 69, 82.068,
117.633

 59, 82.068,
117.633

 49, 82.068,
117.633

 39, 82.068,
117.633

 29, 82.068,
117.633

 19, 82.068,

117.633

■ 9, 82.068, 117.633

■ 0, 82.068, 117.633

■ 89, 82.068,
117.633

■ 89, 82.068,
117.633

■ 88, 89.553,
117.779

■ 90, 72.699,
117.809

■ 88, 94.644,
118.349

■ 90, 62.014,
118.196

■ 88, 97.332,
119.247

■ 91, 50.475,
118.710

■ 92, 38.411,
119.290

■ 93, 26.042,

119.898

■ 94, 13.515,
120.507

■ 95, 0.929, 121.146

■ 96, 7.901, 306.717

■ 96, 8.865, 321.592

Harmonies

Complementary

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



89, 82.068, 117.633



45, 98.078, 307.108

Rectangle

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



89, 82.068, 117.633



89, 82.068, 167.633



89, 82.068, 297.633



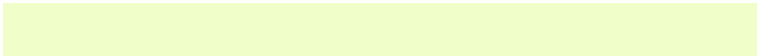
89, 82.068, 347.633

Sweetspot

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



89, 82.069, 117.635



98, 27.660, 119.878



63, 64.940, 46.215



52, 18.702, 119.709



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, 82.069, 117.635



93, 96.420, 117.979



85, 93.739, 133.909



50, 7.132, 120.584



69, 79.440, 119.010



21, 33.068, 118.102

Inverse Universe

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



45, 98.078, 307.108



40, 120.276, 308.007



55, 96.132, 320.316



46, 7.271, 301.719



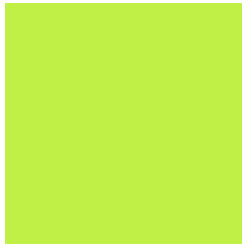
24, 101.757, 308.109



4, 38.709, 305.506

Previews

White Background



This preview shows how the CIELCh color 89, 82.068, 117.633 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, 82.068, 117.633 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, 82.068, 117.633

Background



This preview shows how black text looks on a background with the CIELCh color 89, 82.068, 117.633.

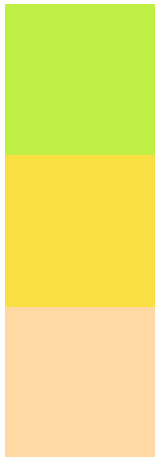


This preview shows how white text looks on a background with the CIELCh color 89, 82.068, 117.633.

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, 82.068, 117.633

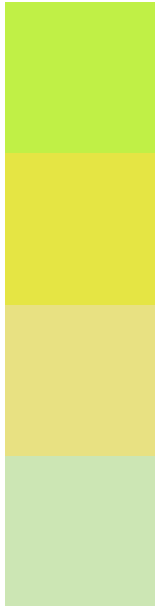
Protanopia
89, 75.641, 95.067

Deuteranopia
89, 31.613, 79.037



Tritanopia
89, 10.283, 265.427

Trichromacy



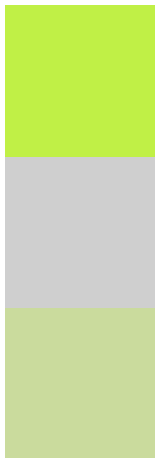
Original Color
89, 82.068, 117.633

Protanomaly
89, 76.105, 103.889

Deuteranomaly
88, 48.329, 102.721

Tritanomaly
88, 27.665, 128.779

Monochromacy



Original Color
89, 82.068, 117.633

Achromatopsia
83, 0.010, 296.813

Achromatomaly
85, 32.812, 119.114

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 82.068, 117.633 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, 240, 70)` looks like.

```
.text, #text, p{  
    color:rgb(192, 240, 70)  
}
```

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, 240, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 240, 70) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 82.068, 117.633 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, 240, 70) }
```

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

```
.border{ border-color:rgb(192, 240, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 240, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 240, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 240, 70);  
box-shadow:4px 4px 4px 4px rgb(192, 240,  
70) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 82.068, 117.633 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 240, 70) }
```

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

```
.background{ background-color: rgb(192,  
240, 70) }
```

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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