

Converting Colors

CIELCh(89, 98.402, 118.710)

Have a look what the booklet for
CIELCh(89, 98.402, 118.710)
contains.

CIELCh(89, 98.129, 118.658)	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, 98.129, 118.658)

Conversions

Conversions Part 1

Format	Color
Hex	B2F400
RGB	178, 244, 0
RGB Percent	70%, 96%, 0%
CMY	0.3020, 0.0431, 0.9999
CMYK	0.27, 0.00, 1.00, 0.04
HSL	76°, 100%, 48%
HSV	76°, 100%, 96%
XYZ	50.7087, 74.1641, 11.6421
YIQ	196.4500, 38.9880, -89.8760

Conversions

Conversions Part 2

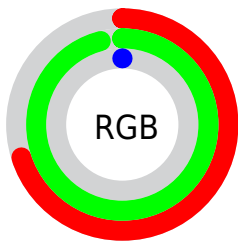
Format	Color
RYB	0, 244, 66
Decimal	11727872
CIELab	89.00, -47.06, 86.11
CIELCh	89, 98.129, 118.658
Yxy	74.1641, 0.3715, 0.5433
Android (android.graphics.Color)	4289917952 (0xFFB2F400)
YUV	196.4500, -96.8498, -16.1806
Hunter-Lab	86.1186, -45.6024, 52.2678

Details

The CIELCh color **89, 98.129, 118.658** is a dark color, and the websafe version is hex **CCFF00**. The color can be described as middle saturated chartreuse. A complement of this color would be **33, 126.449, 307.820**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 77.434, 109.146**, and **69, 82.760, 123.054** is the 20% darker color. If you saturate the color by 10%, you get **89, 98.131, 118.661**, and if you desaturate by 10%, it is **89, 95.189, 117.725**.

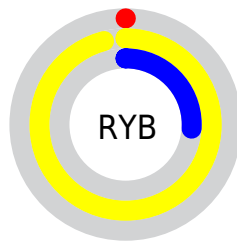
Distribution



Red (70%)

Green (96%)

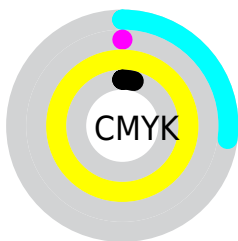
Blue (0%)



Red (0%)

Yellow (96%)

Blue (26%)

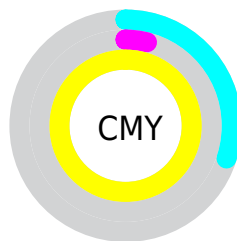


Cyan (27%)

Magenta (0%)

Yellow (100%)

Black (4%)



Cyan (30%)


Magenta (4%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 98.129, 118.658 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, 98.129, 118.658 by changing the saturation by 10% instead.

 89, 98.129,
118.658

 89, 98.129,
118.658


 100, 98.129,
118.658

 79, 98.129,
118.658

 69, 98.129,
118.658

 59, 98.129,
118.658

 49, 98.129,
118.658

 39, 98.129,
118.658

 29, 98.129,
118.658

 19, 98.129,


118.658


 9, 98.129, 118.658


 0, 98.129, 118.658


 89, 98.129,
118.658


 89, 98.129,
118.658

 89, 98.131,
118.661

 89, 95.189,
117.725

 90, 89.905,
117.210

 90, 82.218,
117.108

 91, 72.657,
117.315

 92, 61.797,

117.725

■ 92, 50.097,
118.256

■ 93, 37.881,
118.851

■ 94, 25.368,
119.471

■ 95, 12.700,
120.092

Harmonies

Complementary

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



89, 98.129, 118.658



33, 126.449, 307.820

Rectangle

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



89, 98.129, 118.658



89, 98.129, 168.658



89, 98.129, 298.658



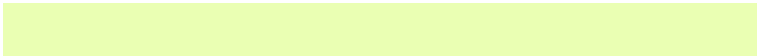
89, 98.129, 348.658

Sweetspot

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



89, 98.129, 118.660



97, 39.270, 118.847



55, 93.633, 45.403



51, 26.712, 118.590



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, 98.129, 118.660



93, 101.482, 118.693



85, 113.367, 134.403



51, 7.244, 120.123



70, 79.988, 118.431



22, 34.265, 117.381

Inverse Universe

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



33, 126.449, 307.820



35, 130.782, 307.801



48, 114.558, 319.415



47, 7.387, 301.286



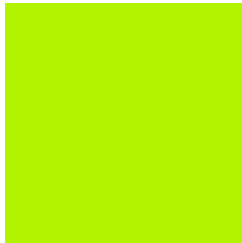
24, 103.014, 307.960



4, 40.741, 305.916

Previews

White Background



This preview shows how the CIELCh color 89, 98.129, 118.658 looks on a white background.

Color Contrast Check

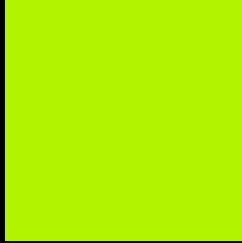
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 89, 98.129, 118.658 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, 98.129, 118.658

Background



This preview shows how black text looks on a background with the CIELCh color 89, 98.129, 118.658.

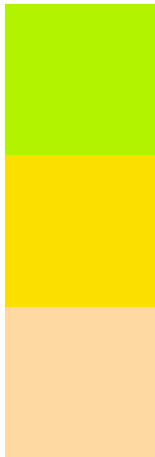


This preview shows how white text looks on a background with the CIELCh color 89, 98.129, 118.658.

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, 98.129, 118.658

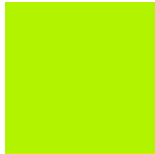
Protanopia
89, 88.475, 94.956

Deuteranopia
89, 33.000, 80.108



Tritanopia
89, 12.611, 247.274

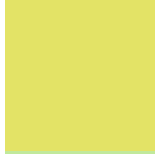
Trichromacy



Original Color
89, 98.129, 118.658



Protanomaly
88, 90.003, 104.754



Deuteranomaly
88, 61.986, 105.000

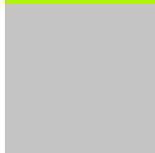


Tritanomaly
88, 42.362, 128.207

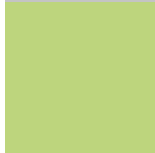
Monochromacy



Original Color
89, 98.129, 118.658



Achromatopsia
79, 0.010, 296.813



Achromatomaly
82, 46.319, 118.291

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 98.129, 118.658 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(178, 244, 0)` looks like.

```
.text, #text, p{  
    color:rgb(178, 244, 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(178, 244, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 244, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 98.129, 118.658 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(178, 244, 0) }
```

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

```
.border{ border-color:rgb(178, 244, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 244, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 244, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 244, 0);  
box-shadow:4px 4px 4px 4px rgb(178, 244,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 98.129, 118.658 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 244, 0) }
```

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

```
.background{ background-color: rgb(178,  
244, 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](#).

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