

Converting Colors

CIELCh(89, 111.412, 130.840)

Have a look what the booklet for
CIELCh(89, 111.412, 130.840)
contains.

CIELCh(89, 111.370, 130.853)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	25
<i>CSS Examples</i>	28

Color

CIELCh(89, 111.370, 130.853)

Conversions

Conversions Part 1

Format	Color
Hex	6BFE08
RGB	107, 254, 8
RGB Percent	42%, 100%, 3%
CMY	0.5795, 0.0031, 0.9694
CMYK	0.58, 0.00, 0.97, 0.00
HSL	96°, 99%, 51%
HSV	96°, 97%, 100%
XYZ	41.6367, 74.1641, 12.3433
YIQ	182.0030, -8.6460, -107.6700

Conversions

Conversions Part 2

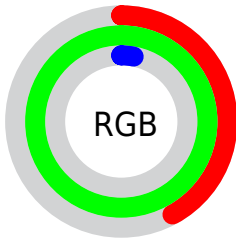
Format	Color
RYB	8, 254, 155
Decimal	7077384
CIELab	89.00, -72.85, 84.24
CIELCh	89, 111.370, 130.853
Yxy	74.1641, 0.3249, 0.5788
Android (android.graphics.Color)	4285267464 (0xFF6BFE08)
YUV	182.0030, -85.7835, -65.7776
Hunter-Lab	86.1186, -64.4062, 51.7850

Details

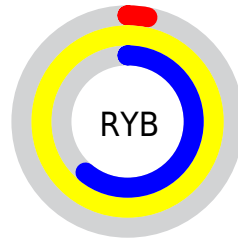
The CIELCh color **89, 111.370, 130.853** is a dark color, and the websafe version is hex **66FF00**. The color can be described as dark saturated chartreuse. A complement of this color would be **45, 121.036, 314.326**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 83.514, 126.897**, and **69, 98.097, 135.898** is the 20% darker color. If you saturate the color by 10%, you get **89, 112.464, 131.174**, and if you desaturate by 10%, it is **90, 106.664, 129.935**.

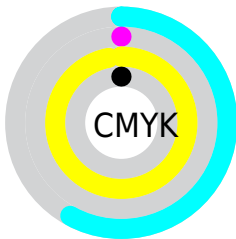
Distribution



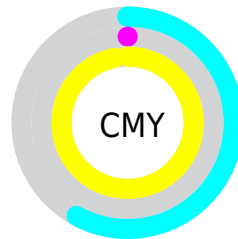
- Red (42%)
- Green (100%)
- Blue (3%)



- Red (3%)
- Yellow (100%)
- Blue (61%)



- Cyan (58%)
- Magenta (0%)
- Yellow (97%)
- Black (0%)





- Cyan (58%)
- Magenta (0%)
- Yellow (97%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 111.370, 130.853 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, 111.370, 130.853 by changing the saturation by 10% instead.


 89, 111.370,
130.853


 89, 111.370,
130.853


 100, 111.370,
130.853


 79, 111.370,
130.853


 69, 111.370,
130.853

 59, 111.370,
130.853

 49, 111.370,
130.853

 39, 111.370,
130.853

 29, 111.370,
130.853

 19, 111.370,

130.853

■ 9, 111.370,
130.853

■ 0, 111.370,
130.853

■ 89, 111.370,
130.853

■ 89, 111.370,
130.853

■ 89, 112.464,
131.174

■ 90, 106.664,
129.935

■ 90, 99.260,
129.502

■ 91, 89.488,
129.480

■ 92, 77.954,
129.735

■ 93, 65.236,
130.149

■ 94, 51.781,
130.634

■ 95, 37.907,
131.137

■ 97, 23.839,
131.627

■ 99, 9.732, 132.092

Harmonies

Complementary

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



89, 111.370, 130.853



45, 121.036, 314.326

Rectangle

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



89, 111.370, 130.853



89, 111.370, 180.853



89, 111.370, 310.853



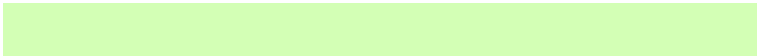
89, 111.370, 0.853

Sweetspot

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



89, 111.369, 130.854



95, 40.900, 131.033



72, 81.909, 68.016



50, 28.023, 130.818



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, 111.369, 130.854



89, 112.735, 131.176



88, 116.987, 136.753



52, 8.010, 131.974



69, 90.536, 130.914



23, 40.209, 129.514

Inverse Universe

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



45, 121.036, 314.326



44, 122.442, 314.096



59, 107.554, 331.808



49, 8.099, 312.755



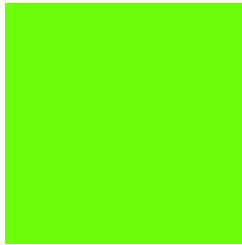
33, 98.475, 314.286



7, 44.678, 315.568

Previews

White Background



This preview shows how the CIE LCh color 89, 111.370, 130.853 looks on a white background.

Color Contrast Check

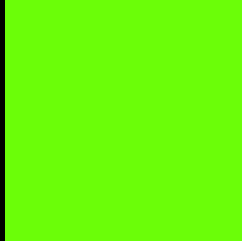
Large Text (above 18pt) WCAG AA × Fail

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, 111.370, 130.853 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

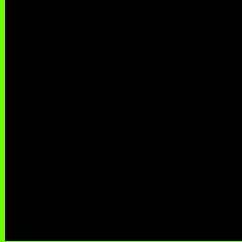
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

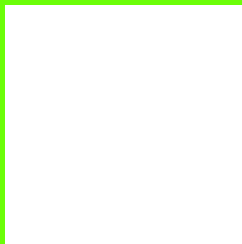
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 111.370, 130.853

Background



This preview shows how black text looks on a background with the CIELCh color 89, 111.370, 130.853.



This preview shows how white text looks on a background with the CIELCh color 89, 111.370,

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, 111.307, 130.873

Protanopia

88, 88.184, 94.923

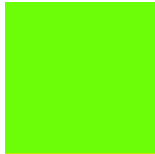
Deuteranopia

88, 33.934, 79.194



Tritanopia
89, 27.877, 218.842

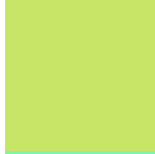
Trichromacy



Original Color
89, 111.307, 130.873



Protanomaly
87, 92.079, 112.287



Deuteranomaly
87, 63.506, 115.386

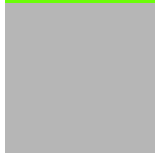


Tritanomaly
88, 55.719, 149.773

Monochromacy



Original Color
89, 111.307, 130.873



Achromatopsia
74, 0.009, 296.813



Achromatomaly
78, 50.763, 130.337

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 111.370, 130.853 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(107, 254, 8)` looks like.

```
.text, #text, p{  
    color:rgb(107, 254, 8)  
}
```

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(107, 254, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 254, 8) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 111.370, 130.853 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(107, 254, 8) }
```

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

```
.border{ border-color:rgb(107, 254, 8) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 254, 8)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 254, 8); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 254, 8);  
box-shadow:4px 4px 4px 4px rgb(107, 254,  
8) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 111.370, 130.853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 254, 8) }
```

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

```
.background{ background-color: rgb(107,  
254, 8) }
```

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