

Converting Colors

CIELCh(87, 107.956, 130.619)

Have a look what the booklet for
CIELCh(87, 107.956, 130.619)
contains.

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Color

CIELCh(87, 107.793, 130.613)

Conversions

Conversions Part 1

Format	Color
Hex	6CF711
RGB	108, 247, 17
RGB Percent	42%, 97%, 7%
CMY	0.5748, 0.0299, 0.9331
CMYK	0.56, 0.00, 0.93, 0.03
HSL	96°, 94%, 52%
HSV	96°, 93%, 97%
XYZ	39.7136, 70.0064, 11.9508
YIQ	179.2190, -9.0140, -100.9980

Conversions

Conversions Part 2

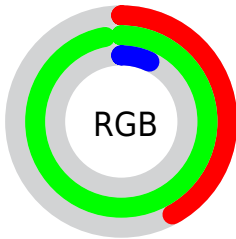
Format	Color
RYB	17, 247, 156
Decimal	7141137
CIELab	87.00, -70.17, 81.83
CIELCh	87, 107.793, 130.613
Yxy	70.0064, 0.3264, 0.5754
Android (android.graphics.Color)	4285331217 (0xFF6CF711)
YUV	179.2190, -79.9740, -62.4591
Hunter-Lab	83.6698, -61.6977, 50.1004

Details

The CIELCh color **87, 107.793, 130.613** is a dark color, and the websafe version is hex **66FF00**. The color can be described as dark washed chartreuse. A complement of this color would be **45, 116.884, 314.804**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 83.154, 127.014**, and **67, 94.986, 135.525** is the 20% darker color. If you saturate the color by 10%, you get **87, 110.355, 131.322**, and if you desaturate by 10%, it is **88, 102.137, 129.899**.

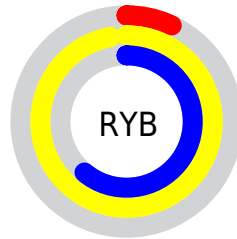
Distribution



Red (42%)

Green (97%)

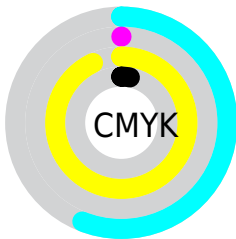
Blue (7%)



Red (7%)

Yellow (97%)

Blue (61%)

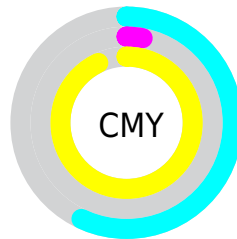


Cyan (56%)

Magenta (0%)

Yellow (93%)

Black (3%)



Cyan (57%)


Magenta (3%)


Yellow (93%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 107.793, 130.613 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 87, 107.793, 130.613 by changing the saturation by 10% instead.


 87, 107.793,
130.613


 87, 107.793,
130.613


 100, 107.793,
130.613


 77, 107.793,
130.613

 67, 107.793,
130.613

 57, 107.793,
130.613

 47, 107.793,
130.613

 37, 107.793,
130.613

 27, 107.793,
130.613

 17, 107.793,

130.613

■ 7, 107.793,
130.613

■ 0, 107.793,
130.613

■ 87, 107.793,
130.613

■ 87, 107.793,
130.613

■ 87, 110.355,
131.322

■ 88, 102.137,
129.899

■ 88, 93.904,
129.653

■ 89, 83.576,
129.764

■ 90, 71.756,
130.100

■ 91, 58.963,
130.553

■ 92, 45.583,
131.053

■ 94, 31.888,
131.554

■ 95, 18.070,
132.035

■ 97, 4.262, 132.506

Harmonies

Complementary

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



87, 107.793, 130.613



45, 116.884, 314.804

Rectangle

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



87, 107.793, 130.613



87, 107.793, 180.613



87, 107.793, 310.613



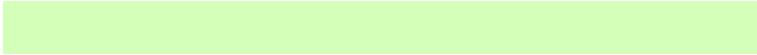
87, 107.793, 0.613

Sweetspot

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



87, 107.793, 130.614



96, 39.575, 131.309



72, 78.674, 70.704



50, 27.285, 131.090



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



87, 107.793, 130.614



89, 112.952, 131.346



86, 112.388, 137.351



51, 7.892, 132.201



68, 89.794, 131.072



22, 38.965, 129.834

Inverse Universe

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



45, 116.884, 314.804



44, 122.264, 314.283



58, 103.548, 332.414



48, 7.978, 312.980



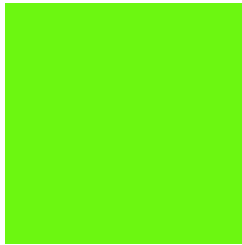
32, 97.349, 314.482



7, 43.210, 315.704

Previews

White Background



This preview shows how the CIE LCh color 87, 107.793, 130.613 looks on a white background.

Color Contrast Check

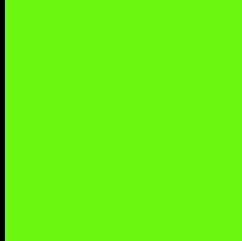
Large Text (above 18pt) WCAG AA × Fail

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 87, 107.793, 130.613 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

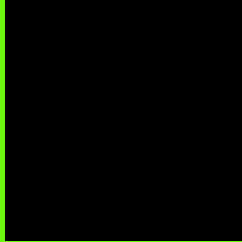
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

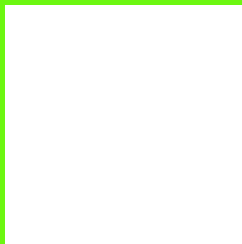
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 107.793, 130.613

Background



This preview shows how black text looks on a background with the CIELCh color 87, 107.793, 130.613.



This preview shows how white text looks on a background with the CIELCh color 87, 107.793, 130.613.

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

87, 107.702, 130.643

Protanopia

86, 86.659, 95.039

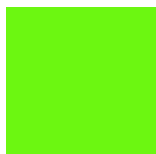
Deuteranopia

86, 42.781, 80.317



Tritanopia
87, 26.951, 219.740

Trichromacy



Original Color
87, 107.702, 130.643



Protanomaly
86, 89.875, 111.785



Deuteranomaly
85, 64.831, 112.470

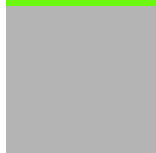


Tritanomaly
86, 51.967, 150.939

Monochromacy



Original Color
87, 107.702, 130.643



Achromatopsia
73, 0.009, 296.813



Achromatomaly
77, 48.276, 130.807

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 107.793, 130.613 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(108, 247, 17)` looks like.

```
.text, #text, p{  
    color:rgb(108, 247, 17)  
}
```

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(108, 247, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 247, 17) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 107.793, 130.613 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(108, 247, 17) }
```

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

```
.border{ border-color:rgb(108, 247, 17) }
```

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

Here you see how a box with a 4 pixel rgb(108, 247, 17) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 247, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 247, 17);  
box-shadow:4px 4px 4px 4px rgb(108, 247,  
17) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 107.793, 130.613 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 247, 17) }
```

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

```
.background{ background-color: rgb(108,  
247, 17) }
```

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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