

Converting Colors

CIELCh(87, 108.264, 129.967)

Have a look what the booklet for
CIELCh(87, 108.264, 129.967)
contains.

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Color

CIELCh(87, 108.257, 129.991)

Conversions

Conversions Part 1

Format	Color
Hex	6FF705
RGB	111, 247, 5
RGB Percent	44%, 97%, 2%
CMY	0.5641, 0.0308, 0.9822
CMYK	0.55, 0.00, 0.98, 0.03
HSL	94°, 96%, 49%
HSV	94°, 98%, 97%
XYZ	39.9033, 70.0064, 11.5391
YIQ	178.7480, -3.3740, -104.0940

Conversions

Conversions Part 2

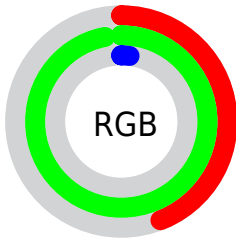
Format	Color
RYB	5, 247, 141
Decimal	7337733
CIELab	87.00, -69.57, 82.94
CIElCh	87, 108.257, 129.991
Yxy	70.0064, 0.3286, 0.5764
Android (android.graphics.Color)	4285527813 (0xFF6FF705)
YUV	178.7480, -85.6578, -59.4150
Hunter-Lab	83.6698, -61.2930, 50.3921

Details

The CIELCh color **87, 108.257, 129.991** 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 **42, 119.773, 313.291**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 83.791, 126.018**, and **67, 94.572, 135.201** is the 20% darker color. If you saturate the color by 10%, you get **87, 108.906, 130.190**, and if you desaturate by 10%, it is **88, 103.937, 128.978**.

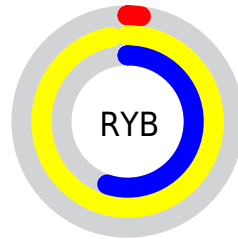
Distribution



Red (44%)

Green (97%)

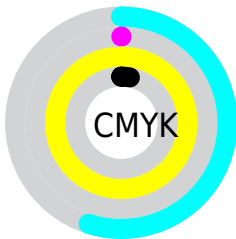
Blue (2%)



Red (2%)

Yellow (97%)

Blue (55%)

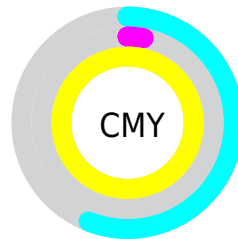


Cyan (55%)

Magenta (0%)

Yellow (98%)

Black (3%)



Cyan (56%)


Magenta (3%)


Yellow (98%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 108.257, 129.991 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, 108.257, 129.991 by changing the saturation by 10% instead.


 87, 108.257,
129.991


 87, 108.257,
129.991


 100, 108.257,
129.991


 77, 108.257,
129.991

 67, 108.257,
129.991

 57, 108.257,
129.991

 47, 108.257,
129.991

 37, 108.257,
129.991

 27, 108.257,
129.991

 17, 108.257,

129.991

■ 7, 108.257,
129.991

■ 0, 108.257,
129.991

■ 87, 108.257,
129.991

■ 87, 108.257,
129.991

■ 87, 108.906,
130.190

■ 88, 103.937,
128.978

■ 88, 97.061,
128.444

■ 89, 87.843,
128.340

■ 90, 76.856,
128.537

■ 91, 64.668,
128.912

■ 92, 51.726,
129.375

■ 93, 38.348,
129.867

■ 94, 24.754,
130.354

■ 96, 11.098,
130.822

Harmonies

Complementary

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



87, 108.257, 129.991



42, 119.773, 313.291

Rectangle

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



87, 108.257, 129.991



87, 108.257, 179.991



87, 108.257, 309.991



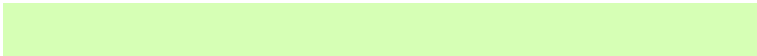
87, 108.257, 359.991

Sweetspot

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



87, 108.257, 129.992



96, 40.498, 129.823



68, 81.228, 64.679



50, 27.743, 129.612



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, 108.257, 129.992



89, 111.550, 130.217



85, 115.728, 136.372



50, 7.675, 130.761



67, 87.772, 129.914



21, 37.151, 128.762

Inverse Universe

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



42, 119.773, 313.291



43, 123.399, 313.141



58, 108.208, 330.320



47, 7.768, 311.552



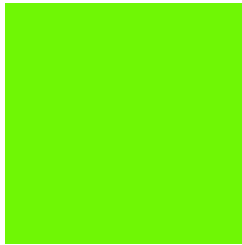
31, 97.234, 313.357



6, 41.606, 314.269

Previews

White Background



This preview shows how the CIELCh color 87, 108.257, 129.991 looks on a white background.

Color Contrast Check

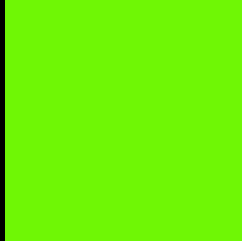
Large Text (above 18pt) WCAG AA × Fail

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, 108.257, 129.991 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, 108.257, 129.991

Background



This preview shows how black text looks on a background with the CIELCh color 87, 108.257, 129.991.



This preview shows how white text looks on a background with the CIELCh color 87, 108.257, 129.991.

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, 108.190, 130.012

Protanopia

86, 86.659, 95.039

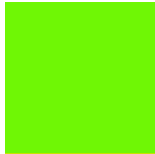
Deuteranopia

86, 42.781, 80.317



Tritanopia
87, 26.607, 218.816

Trichromacy



Original Color
87, 108.190, 130.012



Protanomaly
86, 90.122, 111.473



Deuteranomaly
85, 66.838, 111.734

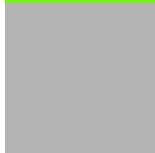


Tritanomaly
86, 53.947, 148.369

Monochromacy



Original Color
87, 108.190, 130.012



Achromatopsia
73, 0.009, 296.813



Achromatomaly
77, 49.971, 129.417

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 108.257, 129.991 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(111, 247, 5)` looks like.

```
.text, #text, p{  
    color:rgb(111, 247, 5)  
}
```

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(111, 247, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 247, 5) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 108.257, 129.991 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(111, 247, 5) }
```

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

```
.border{ border-color:rgb(111, 247, 5) }
```

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

Here you see how a box with a 4 pixel rgb(111, 247, 5) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 247, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 247, 5);  
box-shadow:4px 4px 4px 4px rgb(111, 247,  
5) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 108.257, 129.991 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 247, 5) }
```

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

```
.background{ background-color: rgb(111,  
247, 5) }
```

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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