

Converting Colors

CIELCh(85, 107.345, 130.613)

Have a look what the booklet for
CIELCh(85, 107.345, 130.613)
contains.

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Color

CIELCh(85, 107.275, 130.638)

Conversions

Conversions Part 1

Format	Color
Hex	66F102
RGB	102, 241, 2
RGB Percent	40%, 95%, 1%
CMY	0.5982, 0.0533, 0.9904
CMYK	0.58, 0.00, 0.99, 0.05
HSL	95°, 98%, 48%
HSV	95°, 99%, 95%
XYZ	37.1207, 66.0070, 10.8537
YIQ	172.1930, -6.1250, -103.7970

Conversions

Conversions Part 2

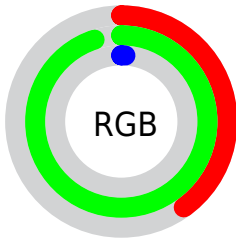
Format	Color
R_{YB}	2, 241, 141
Decimal	6746370
CIE _{Lab}	85.00, -69.87, 81.40
CIE _{LCh}	85, 107.275, 130.638
Yxy	66.0070, 0.3257, 0.5791
Android (android.graphics.Color)	4284936450 (0xFF66F102)
YUV	172.1930, -83.9051, -61.5593
Hunter-Lab	81.2447, -60.6217, 48.9506

Details

The CIELCh color **85, 107.275, 130.638** is a dark color, and the websafe version is hex **66FF33**. The color can be described as dark saturated chartreuse. A complement of this color would be **41, 117.432, 313.793**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 85.677, 127.479**, and **65, 93.739, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **85, 107.633, 130.742**, and if you desaturate by 10%, it is **85, 103.128, 129.645**.

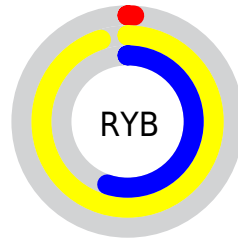
Distribution



Red (40%)

Green (95%)

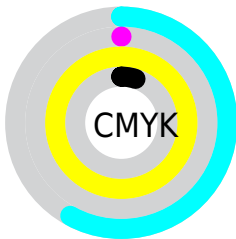
Blue (1%)



Red (1%)

Yellow (95%)

Blue (55%)

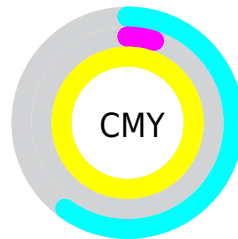


Cyan (58%)

Magenta (0%)

Yellow (99%)

Black (5%)



Cyan (60%)


Magenta (5%)


Yellow (99%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 107.275, 130.638 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 85, 107.275, 130.638 by changing the saturation by 10% instead.


 85, 107.275,
130.638

 85, 107.275,
130.638


 100, 107.275,
130.638


 75, 107.275,
130.638

 65, 107.275,
130.638

 55, 107.275,
130.638

 45, 107.275,
130.638

 35, 107.275,
130.638

 25, 107.275,
130.638

 15, 107.275,

130.638

■ 5, 107.275,
130.638

■ 0, 107.275,
130.638

■ 85, 107.275,
130.638

■ 85, 107.275,
130.638

■ 85, 107.633,
130.742

■ 85, 103.128,
129.645

■ 86, 96.517,
129.104

■ 87, 87.563,
128.997

■ 88, 76.822,
129.194

■ 89, 64.859,
129.573

■ 90, 52.123,
130.040

■ 91, 38.938,
130.536

■ 92, 25.529,
131.026

■ 94, 12.055,
131.494

Harmonies

Complementary

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



85, 107.275, 130.638



41, 117.432, 313.793

Rectangle

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



85, 107.275, 130.638



85, 107.275, 180.638



85, 107.275, 310.638



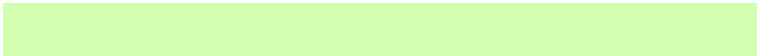
85, 107.275, 0.638

Sweetspot

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



85, 107.274, 130.639



95, 42.122, 130.481



67, 79.731, 65.985



50, 28.689, 130.271



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



85, 107.274, 130.639



89, 112.247, 130.787



84, 113.502, 136.476



49, 7.584, 131.472



66, 87.404, 130.476



20, 35.988, 129.605

Inverse Universe

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



41, 117.432, 313.793



44, 122.839, 313.689



56, 105.009, 331.095



47, 7.671, 312.252



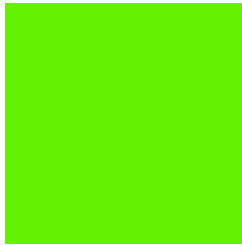
31, 95.807, 313.913



5, 39.908, 314.682

Previews

White Background



This preview shows how the CIE LCh color 85, 107.275, 130.638 looks on a white background.

Color Contrast Check

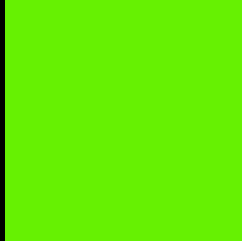
Large Text (above 18pt) WCAG AA × Fail

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 85, 107.275, 130.638 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 85, 107.275, 130.638

Background



This preview shows how black text looks on a background with the CIELCh color 85, 107.275, 130.638.

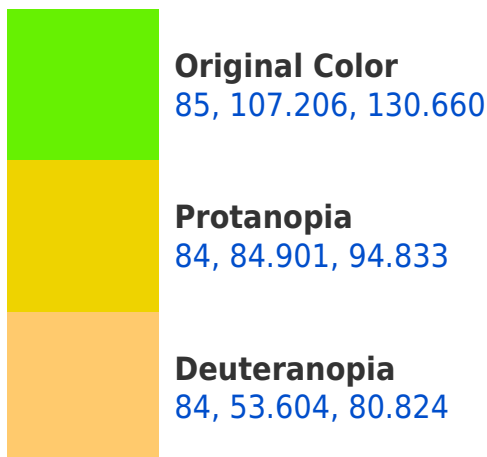



This preview shows how white text looks on a background with the CIELCh color 85, 107.275, 130.638.

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](#).

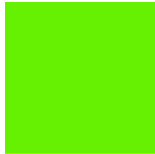
Dichromacy





Tritanopia
85, 26.844, 218.696

Trichromacy



Original Color
85, 107.206, 130.660



Protanomaly
83, 88.539, 111.933



Deuteranomaly
83, 70.909, 109.563



Tritanomaly
84, 53.743, 149.349

Monochromacy



Original Color
85, 107.206, 130.660



Achromatopsia
71, 0.009, 296.813



Achromatomaly
75, 49.903, 129.983

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 107.275, 130.638 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(102, 241, 2)` looks like.

```
.text, #text, p{  
    color:rgb(102, 241, 2)  
}
```

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(102, 241, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 241, 2) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 107.275, 130.638 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(102, 241, 2) }
```

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

```
.border{ border-color:rgb(102, 241, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 241, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 241, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 241, 2);  
box-shadow:4px 4px 4px 4px rgb(102, 241,  
2) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 107.275, 130.638 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 241, 2) }
```

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

```
.background{ background-color: rgb(102,  
241, 2) }
```

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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