

Converting Colors

CIELCh(71, 83.535, 127.704)

Have a look what the booklet for
CIELCh(71, 83.535, 127.704)
contains.

CIELCh(71, 83.674, 127.614)	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(71, 83.674, 127.614)

Conversions

Conversions Part 1

Format	Color
Hex	6CC31E
RGB	108, 195, 30
RGB Percent	42%, 76%, 12%
CMY	0.5775, 0.2362, 0.8837
CMYK	0.45, 0.00, 0.85, 0.24
HSL	92°, 74%, 44%
HSV	92°, 85%, 76%
XYZ	25.8454, 42.1875, 7.9861
YIQ	150.1770, 1.1130, -69.7590

Conversions

Conversions Part 2

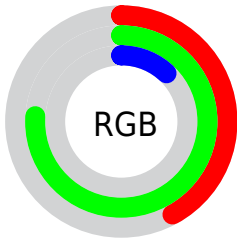
Format	Color
RYB	30, 195, 117
Decimal	7127838
CIELab	71.00, -51.07, 66.28
CIELCh	71, 83.674, 127.614
Yxy	42.1875, 0.3400, 0.5550
Android (android.graphics.Color)	4285317918 (0xFF6CC31E)
YUV	150.1770, -59.2473, -36.9892
Hunter-Lab	64.9519, -42.6377, 38.1764

Details

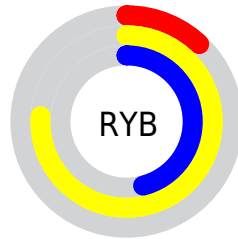
The CIELCh color **71, 83.674, 127.614** is a dark color, and the websafe version is hex **66CC33**. The color can be described as dark washed chartreuse. A complement of this color would be **35, 93.671, 313.210**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 83.641, 127.639**, and **51, 73.094, 132.291** is the 20% darker color. If you saturate the color by 10%, you get **71, 88.125, 128.442**, and if you desaturate by 10%, it is **72, 77.164, 127.263**.

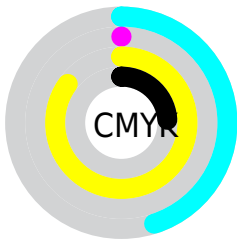
Distribution



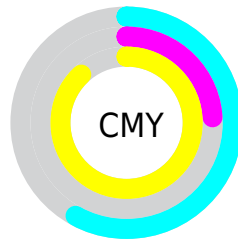
- Red (42%)
- Green (76%)
- Blue (12%)



- Red (12%)
- Yellow (76%)
- Blue (46%)



- Cyan (45%)
- Magenta (0%)
- Yellow (85%)
- Black (24%)





- Cyan (58%)
- Magenta (24%)
- Yellow (88%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 83.674, 127.614 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 71, 83.674, 127.614 by changing the saturation by 10% instead.


 71, 83.674,
127.614

 71, 83.674,
127.614


 100, 83.674,
127.614


 61, 83.674,
127.614


 91, 83.674,
127.614

 51, 83.674,
127.614

 41, 83.674,
127.614

 31, 83.674,
127.614

 21, 83.674,
127.614

 11, 83.674,
127.614

 1, 83.674, 127.614

■ 0, 83.674, 127.614

■ 71, 83.674,
127.614

■ 71, 83.674,
127.614

■ 71, 88.125,
128.442

■ 72, 77.164,
127.263

■ 70, 89.893,
128.969

■ 72, 68.959,
127.281

■ 73, 59.535,
127.542

■ 74, 49.306,
127.942

■ 75, 38.581,
128.407

■ 76, 27.578,
128.891

■ 77, 16.447,
129.366

■ 78, 5.295, 129.829

■ 79, 5.805, 310.198

Harmonies

Complementary

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



71, 83.674, 127.614



35, 93.671, 313.210

Rectangle

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



71, 83.674, 127.614



71, 83.674, 177.614



71, 83.674, 307.614



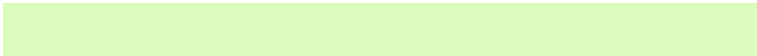
71, 83.674, 357.614

Sweetspot

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



71, 83.674, 127.615



95, 34.357, 128.861



56, 61.536, 65.543



51, 23.611, 128.687



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



71, 83.674, 127.615



89, 109.547, 129.221



69, 92.425, 137.002



40, 6.281, 129.616



59, 77.754, 128.738



11, 21.312, 133.367

Inverse Universe

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



35, 93.671, 313.210



41, 123.360, 312.313



47, 89.285, 328.679



38, 6.361, 310.402



25, 87.724, 312.650



2, 20.312, 306.320

Previews

White Background



This preview shows how the CIELCh color 71, 83.674, 127.614 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 71, 83.674, 127.614 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 71, 83.674, 127.614

Background



This preview shows how black text looks on a background with the CIELCh color 71, 83.674, 127.614.



This preview shows how white text looks on a background with the CIELCh color 71, 83.674, 127.614.

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
71, 83.674, 127.614

Protanopia
71, 69.964, 94.958

Deuteranopia
71, 64.128, 81.827



Tritanopia
71, 18.153, 225.295

Trichromacy



Original Color
71, 83.674, 127.614



Protanomaly
70, 71.951, 109.516



Deuteranomaly
70, 65.193, 102.816



Tritanomaly
70, 36.144, 148.113

Monochromacy



Original Color
71, 83.674, 127.614



Achromatopsia
62, 0.008, 296.813



Achromatomaly
65, 35.097, 127.997

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 83.674, 127.614 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, 195, 30)` looks like.

```
.text, #text, p{  
    color:rgb(108, 195, 30)  
}
```

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, 195, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 195, 30) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 83.674, 127.614 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, 195, 30) }
```

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

```
.border{ border-color:rgb(108, 195, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 195, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 195, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 195, 30);  
box-shadow:4px 4px 4px 4px rgb(108, 195,  
30) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 83.674, 127.614 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 195, 30) }
```

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

```
.background{ background-color: rgb(108,  
195, 30) }
```

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