

Converting Colors

CIELCh(74, 91.330, 127.042)

Have a look what the booklet for
CIELCh(74, 91.330, 127.042)
contains.

CIELCh(74, 91.510, 127.133)	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(74, 91.510, 127.133)

Conversions

Conversions Part 1

Format	Color
Hex	6DCD01
RGB	109, 205, 1
RGB Percent	43%, 80%, 0%
CMY	0.5742, 0.1976, 0.9965
CMYK	0.47, 0.00, 1.00, 0.20
HSL	88°, 99%, 40%
HSV	88°, 100%, 80%
XYZ	27.9992, 46.7039, 7.5641
YIQ	153.0400, 8.2680, -83.7960

Conversions

Conversions Part 2

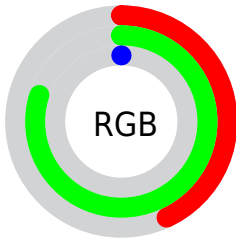
Format	Color
RYB	1, 205, 97
Decimal	7195905
CIELab	74.00, -55.24, 72.96
CIELCh	74, 91.510, 127.133
Yxy	46.7039, 0.3403, 0.5677
Android (android.graphics.Color)	4285385985 (0xFF6DCD01)
YUV	153.0400, -74.9557, -38.6231
Hunter-Lab	68.3403, -46.4636, 41.2758

Details

The CIELCh color **74, 91.510, 127.133** is a dark color, and the websafe version is hex **66CC00**. The color can be described as dark washed chartreuse. A complement of this color would be **32, 106.244, 311.209**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 87.769, 126.309**, and **54, 77.699, 133.184** is the 20% darker color. If you saturate the color by 10%, you get **74, 91.654, 127.180**, and if you desaturate by 10%, it is **74, 87.913, 126.086**.

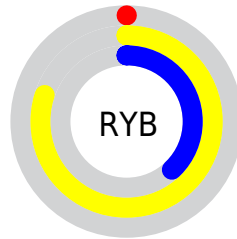
Distribution



Red (43%)

Green (80%)

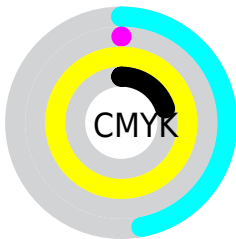
Blue (0%)



Red (0%)

Yellow (80%)

Blue (38%)

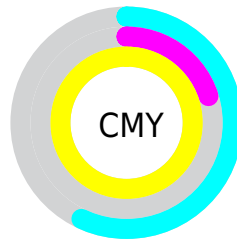


Cyan (47%)

Magenta (0%)

Yellow (100%)

Black (20%)



Cyan (57%)


Magenta (20%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 74, 91.510, 127.133 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 74, 91.510, 127.133 by changing the saturation by 10% instead.


 74, 91.510,
127.133


 74, 91.510,
127.133


 100, 91.510,
127.133


 64, 91.510,
127.133


 94, 91.510,
127.133

 54, 91.510,
127.133

 44, 91.510,
127.133

 34, 91.510,
127.133

 24, 91.510,
127.133

 14, 91.510,
127.133

 4, 91.510, 127.133

■ 0, 91.510, 127.133

■ 74, 91.510,
127.133

■ 74, 91.510,
127.133

■ 74, 91.654,
127.180

■ 74, 87.913,
126.086

■ 75, 82.349,
125.468

■ 76, 74.805,
125.287

■ 76, 65.746,
125.421

■ 77, 55.651,
125.749

■ 78, 44.893,
126.185

■ 79, 33.740,
126.667

■ 80, 22.377,
127.159

■ 81, 10.931,
127.641

Harmonies

Complementary

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



74, 91.510, 127.133



32, 106.244, 311.209

Rectangle

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



74, 91.510, 127.133



74, 91.510, 177.133



74, 91.510, 307.133



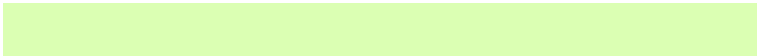
74, 91.510, 357.133

Sweetspot

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



74, 91.510, 127.134



96, 40.925, 126.627



53, 73.172, 57.743



51, 27.862, 126.418



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



74, 91.510, 127.134



90, 108.409, 127.392



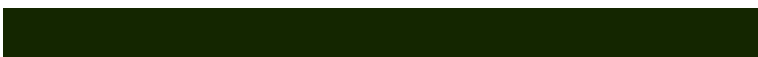
72, 101.198, 135.910



42, 6.469, 127.649



61, 78.189, 126.931



13, 24.289, 129.373

Inverse Universe

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



32, 106.244, 311.209



40, 125.833, 311.045



47, 97.972, 326.913



40, 6.562, 308.484



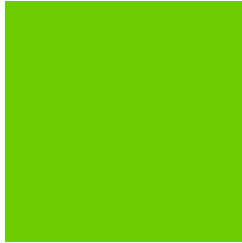
25, 90.862, 311.357



2, 24.413, 305.594

Previews

White Background



This preview shows how the CIELCh color 74, 91.510, 127.133 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 74, 91.510, 127.133 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

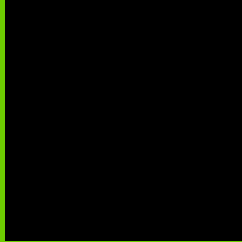
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 74, 91.510, 127.133

Background



This preview shows how black text looks on a background with the CIELCh color 74, 91.510, 127.133.



This preview shows how white text looks on a background with the CIELCh color 74, 91.510, 127.133.

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

74, 91.600, 127.103

Protanopia

73, 75.691, 94.969

Deuteranopia

73, 69.513, 81.800



Tritanopia

74, 19.662, 222.767

Trichromacy



Original Color
74, 91.600, 127.103



Protanomaly
73, 78.348, 109.600



Deuteranomaly
72, 71.898, 102.474



Tritanomaly
73, 43.366, 144.150

Monochromacy



Original Color
74, 91.600, 127.103



Achromatopsia
63, 0.008, 296.813



Achromatomaly
66, 42.296, 126.107

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 74, 91.510, 127.133 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(109, 205, 1)` looks like.

```
.text, #text, p{  
    color:rgb(109, 205, 1)  
}
```

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(109, 205, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 205, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 74, 91.510, 127.133 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(109, 205, 1) }
```

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

```
.border{ border-color:rgb(109, 205, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 205, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 205, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 205, 1);  
box-shadow:4px 4px 4px 4px rgb(109, 205,  
1) }
```

Background

The CSS property to change the background color of an element to CIELCh 74, 91.510, 127.133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 205, 1) }
```

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

```
.background{ background-color: rgb(109,  
205, 1) }
```

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