

Converting Colors

CIELCh(74, 90.919, 126.550)

Have a look what the booklet for
CIELCh(74, 90.919, 126.550)
contains.

CIELCh(74, 90.736, 126.470)	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, 90.736, 126.470)

Conversions

Conversions Part 1

Format	Color
Hex	70CC01
RGB	112, 204, 1
RGB Percent	44%, 80%, 0%
CMY	0.5602, 0.1995, 0.9945
CMYK	0.45, 0.00, 0.99, 0.20
HSL	87°, 99%, 40%
HSV	87°, 99%, 80%
XYZ	28.3307, 46.7039, 7.5609
YIQ	153.3500, 10.3310, -82.6370

Conversions

Conversions Part 2

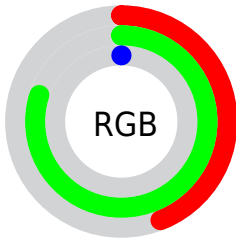
Format	Color
RYB	1, 204, 93
Decimal	7392257
CIELab	74.00, -53.93, 72.97
CIELCh	74, 90.736, 126.470
Yxy	46.7039, 0.3430, 0.5655
Android (android.graphics.Color)	4285582337 (0xFF70CC01)
YUV	153.3500, -75.1085, -36.2639
Hunter-Lab	68.3403, -45.5977, 41.2786

Details

The CIELCh color **74, 90.736, 126.470** 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 **31, 106.339, 310.852**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 87.478, 125.899**, and **54, 76.681, 132.500** is the 20% darker color. If you saturate the color by 10%, you get **74, 90.957, 126.543**, and if you desaturate by 10%, it is **74, 87.163, 125.424**.

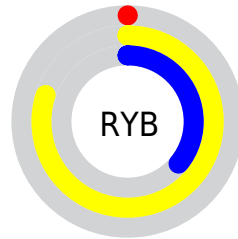
Distribution



Red (44%)

Green (80%)

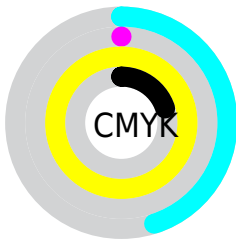
Blue (0%)



Red (0%)

Yellow (80%)

Blue (36%)

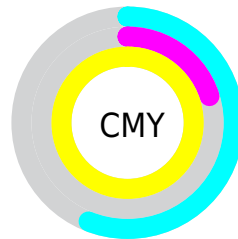


Cyan (45%)

Magenta (0%)

Yellow (99%)

Black (20%)



Cyan (56%)


Magenta (20%)


Yellow (99%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 74, 90.736, 126.470 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, 90.736, 126.470 by changing the saturation by 10% instead.

 74, 90.736,
126.470

 74, 90.736,
126.470


 100, 90.736,
126.470

 64, 90.736,
126.470


 94, 90.736,
126.470

 54, 90.736,
126.470

 44, 90.736,
126.470

 34, 90.736,
126.470

 24, 90.736,
126.470

 14, 90.736,
126.470

 4, 90.736, 126.470

■ 0, 90.736, 126.470

■ 74, 90.736,
126.470

■ 74, 90.736,
126.470

■ 74, 90.957,
126.543

■ 74, 87.163,
125.424

■ 75, 81.610,
124.815

■ 76, 74.092,
124.641

■ 76, 65.077,
124.778

■ 77, 55.037,
125.110

■ 78, 44.343,
125.548

■ 79, 33.260,
126.034

■ 80, 21.968,
126.531

■ 81, 10.591,
127.019

Harmonies

Complementary

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



74, 90.736, 126.470



31, 106.339, 310.852

Rectangle

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



74, 90.736, 126.470



74, 90.736, 176.470



74, 90.736, 306.470



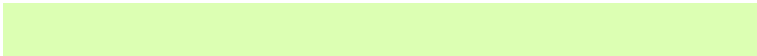
74, 90.736, 356.470

Sweetspot

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



74, 90.736, 126.471



96, 40.751, 125.981



53, 73.497, 56.529



51, 27.741, 125.771



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, 90.736, 126.471



90, 107.771, 126.758



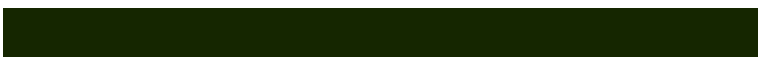
72, 100.878, 135.857



43, 6.444, 127.015



61, 77.739, 126.297



13, 24.142, 128.686

Inverse Universe

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



31, 106.339, 310.852



39, 126.312, 310.678



47, 97.851, 326.264



40, 6.540, 307.868



24, 91.201, 310.988



2, 24.340, 304.967

Previews

White Background



This preview shows how the CIELCh color 74, 90.736, 126.470 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, 90.736, 126.470 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

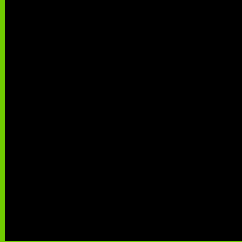
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 74, 90.736, 126.470

Background



This preview shows how black text looks on a background with the CIELCh color 74, 90.736, 126.470.

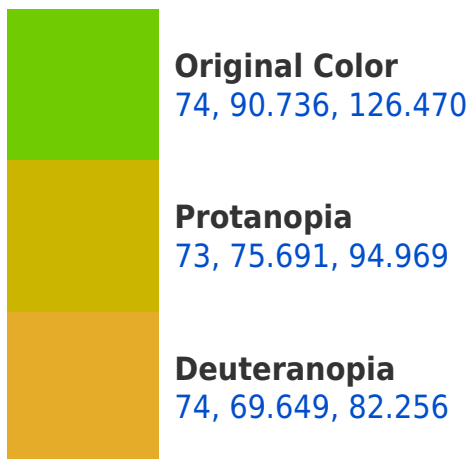


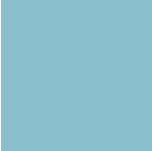
This preview shows how white text looks on a background with the CIELCh color 74, 90.736, 126.470.

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
74, 18.880, 223.906

Trichromacy



Original Color
74, 90.736, 126.470



Protanomaly
73, 77.769, 108.703



Deuteranomaly
73, 72.021, 102.491



Tritanomaly
73, 42.734, 143.154

Monochromacy



Original Color
74, 90.736, 126.470



Achromatopsia
64, 0.008, 296.813



Achromatomaly
66, 41.526, 125.363

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 74, 90.736, 126.470 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(112, 204, 1)` looks like.

```
.text, #text, p{  
    color:rgb(112, 204, 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(112, 204, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 204, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 74, 90.736, 126.470 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(112, 204, 1) }
```

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

```
.border{ border-color:rgb(112, 204, 1) }
```

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

Here you see how a box with a 4 pixel rgb(112, 204, 1) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 204, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 204, 1);  
box-shadow:4px 4px 4px 4px rgb(112, 204,  
1) }
```

Background

The CSS property to change the background color of an element to CIELCh 74, 90.736, 126.470 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 204, 1) }
```

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

```
.background{ background-color: rgb(112,  
204, 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