

Converting Colors

CIELCh(71, 87.584, 126.078)

Have a look what the booklet for
CIELCh(71, 87.584, 126.078)
contains.

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Color

CIELCh(71, 87.636, 126.211)

Conversions

Conversions Part 1

Format	Color
Hex	6CC300
RGB	108, 195, 0
RGB Percent	42%, 76%, 0%
CMY	0.5767, 0.2355, 1.0000
CMYK	0.45, 0.00, 1.00, 0.24
HSL	87°, 100%, 38%
HSV	87°, 100%, 76%
XYZ	25.6777, 42.1875, 6.7849
YIQ	146.7570, 10.7430, -79.0890

Conversions

Conversions Part 2

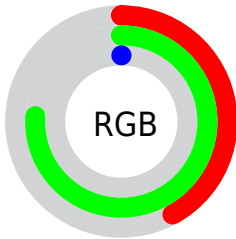
Format	Color
RYB	0, 195, 87
Decimal	7127808
CIELab	71.00, -51.77, 70.71
CIELCh	71, 87.636, 126.211
Yxy	42.1875, 0.3440, 0.5651
Android (android.graphics.Color)	4285317888 (0xFF6CC300)
YUV	146.7570, -72.3512, -33.9899
Hunter-Lab	64.9519, -43.0988, 39.2729

Details

The CIELCh color **71, 87.636, 126.211** 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 **29, 103.171, 310.705**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 87.614, 126.103**, and **51, 73.222, 132.438** is the 20% darker color. If you saturate the color by 10%, you get **71, 87.622, 126.217**, and if you desaturate by 10%, it is **71, 84.193, 125.184**.

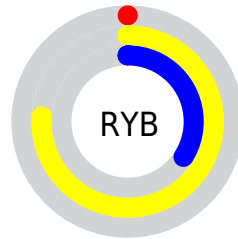
Distribution



Red (42%)

Green (76%)

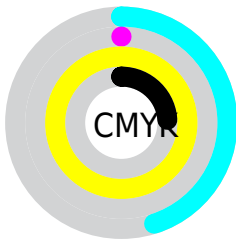
Blue (0%)



Red (0%)

Yellow (76%)

Blue (34%)

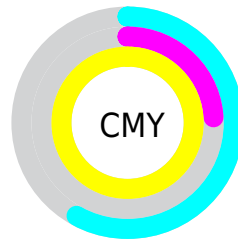


Cyan (45%)

Magenta (0%)

Yellow (100%)

Black (24%)



Cyan (58%)


Magenta (24%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 87.636, 126.211 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, 87.636, 126.211 by changing the saturation by 10% instead.


 71, 87.636,
126.211


 71, 87.636,
126.211


 100, 87.636,
126.211


 61, 87.636,
126.211


 91, 87.636,
126.211

 51, 87.636,
126.211

 41, 87.636,
126.211

 31, 87.636,
126.211

 21, 87.636,
126.211

 11, 87.636,
126.211

 1, 87.636, 126.211

■ 0, 87.636, 126.211

■ 71, 87.636,
126.211

■ 71, 87.636,
126.211

■ 71, 87.622,
126.217

■ 71, 84.193,
125.184

■ 72, 78.955,
124.555

■ 72, 71.813,
124.364

■ 73, 63.212,
124.488

■ 74, 53.605,
124.812

■ 75, 43.355,
125.245

■ 76, 32.717,
125.730

■ 77, 21.869,
126.228

■ 78, 10.932,
126.718

Harmonies

Complementary

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



71, 87.636, 126.211



29, 103.171, 310.705

Rectangle

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



71, 87.636, 126.211



71, 87.636, 176.211



71, 87.636, 306.211



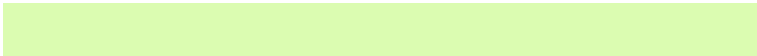
71, 87.636, 356.211

Sweetspot

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



71, 87.622, 126.217



95, 40.349, 125.707



50, 71.925, 55.290



51, 27.691, 125.496



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, 87.622, 126.217



90, 106.677, 126.474



69, 97.507, 135.753



40, 6.167, 126.749



59, 75.756, 125.980



11, 20.729, 130.457

Inverse Universe

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



29, 103.171, 310.705



39, 125.546, 310.534



44, 94.785, 325.618



38, 6.260, 307.604



23, 89.239, 310.864



2, 20.046, 303.520

Previews

White Background



This preview shows how the CIELCh color 71, 87.636, 126.211 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, 87.636, 126.211 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

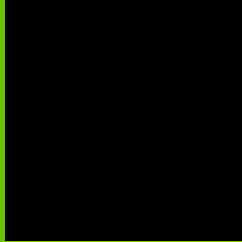
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 71, 87.636, 126.211

Background



This preview shows how black text looks on a background with the CIELCh color 71, 87.636, 126.211.

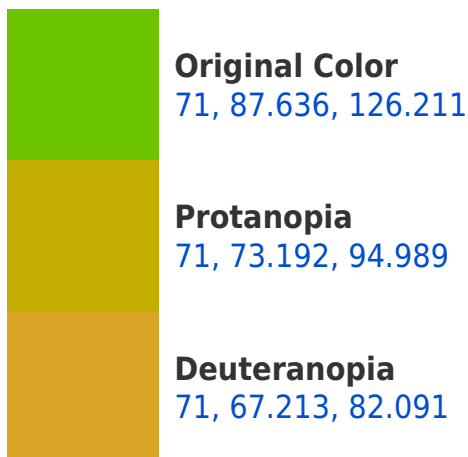


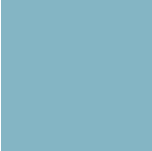
This preview shows how white text looks on a background with the CIELCh color 71, 87.636, 126.211.

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
71, 17.892, 225.740

Trichromacy



Original Color
71, 87.636, 126.211

Protanomaly
70, 75.450, 108.920

Deuteranomaly
70, 69.428, 102.083

Tritanomaly
70, 40.913, 142.857

Monochromacy



Original Color
71, 87.636, 126.211

Achromatopsia
61, 0.008, 296.813

Achromatomaly
64, 40.076, 125.017

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 87.636, 126.211 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, 0)` looks like.

```
.text, #text, p{  
    color:rgb(108, 195, 0)  
}
```

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, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 195, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 87.636, 126.211 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, 0) }
```

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

```
.border{ border-color:rgb(108, 195, 0) }
```

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, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 195, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 195, 0);  
box-shadow:4px 4px 4px 4px rgb(108, 195,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 87.636, 126.211 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, 0) }
```

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

```
.background{ background-color: rgb(108,  
195, 0) }
```

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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