

Converting Colors

CIELCh(66, 87.848, 130.936)

Have a look what the booklet for
CIELCh(66, 87.848, 130.936)
contains.

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Color

CIELCh(66, 87.682, 130.985)

Conversions

Conversions Part 1

Format	Color
Hex	49B700
RGB	73, 183, 0
RGB Percent	29%, 72%, 0%
CMY	0.7133, 0.2820, 0.9991
CMYK	0.60, 0.00, 1.00, 0.28
HSL	96°, 100%, 36%
HSV	96°, 100%, 72%
XYZ	19.7081, 35.3238, 5.7856
YIQ	129.2480, -6.8170, -80.2330

Conversions

Conversions Part 2

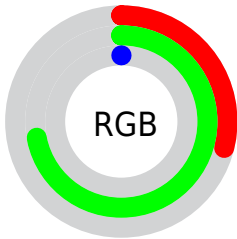
Format	Color
RYB	0, 183, 110
Decimal	4830976
CIELab	66.00, -57.51, 66.19
CIELCh	66, 87.682, 130.985
Yxy	35.3238, 0.3241, 0.5808
Android (android.graphics.Color)	4283021056 (0xFF49B700)
YUV	129.2480, -63.7193, -49.3295
Hunter-Lab	59.4338, -44.8192, 35.8321

Details

The CIELCh color **66, 87.682, 130.985** is a dark color, and the websafe version is hex **66CC33**. A complement of this color would be **31, 95.157, 314.463**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **86, 87.839, 131.048**, and **47, 72.256, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **66, 87.725, 130.996**, and if you desaturate by 10%, it is **66, 84.020, 130.154**.

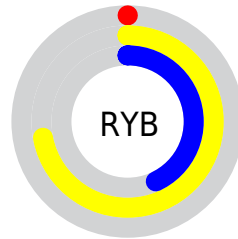
Distribution



Red (29%)

Green (72%)

Blue (0%)



Red (0%)

Yellow (72%)

Blue (43%)

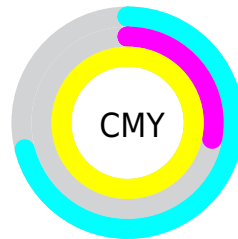


Cyan (60%)

Magenta (0%)

Yellow (100%)

Black (28%)



Cyan (71%)

Magenta (28%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 87.682, 130.985 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 66, 87.682, 130.985 by changing the saturation by 10% instead.


 66, 87.682,
130.985


 66, 87.682,
130.985


 100, 87.682,
130.985


 56, 87.682,
130.985


 86, 87.682,
130.985

 46, 87.682,
130.985

 96, 87.682,
130.985

 36, 87.682,
130.985

 26, 87.682,
130.985

 16, 87.682,
130.985

 6, 87.682, 130.985

 0, 87.682, 130.985

■ 66, 87.682,
130.985

■ 66, 87.682,
130.985

■ 66, 87.725,
130.996

■ 66, 84.020,
130.154

■ 67, 78.594,
129.679

■ 67, 71.333,
129.614

■ 68, 62.674,
129.834

■ 69, 53.055,
130.222

■ 70, 42.825,
130.692

■ 71, 32.235,
131.186

■ 72, 21.466,

131.672

■ 73, 10.642,
132.134

Harmonies

Complementary

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



66, 87.682, 130.985



31, 95.157, 314.463

Rectangle

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



66, 87.682, 130.985



66, 87.682, 180.985



66, 87.682, 310.985



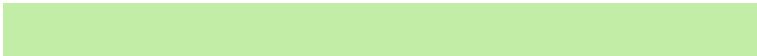
66, 87.682, 0.985

Sweetspot

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



66, 87.682, 130.986



89, 39.939, 131.155



53, 64.517, 69.447



47, 27.427, 130.947



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



66, 87.682, 130.986



83, 106.791, 131.243



65, 91.338, 136.925



38, 6.119, 132.158



57, 77.609, 130.804



8, 17.290, 135.971

Inverse Universe

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



31, 95.157, 314.463



41, 115.735, 314.277



42, 83.299, 332.652



36, 6.185, 312.906



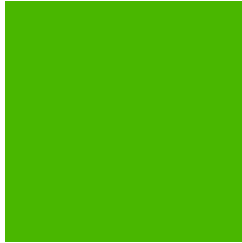
26, 84.320, 314.593



2, 16.263, 308.477

Previews

White Background



This preview shows how the CIELCh color 66, 87.682, 130.985 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 66, 87.682, 130.985 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 66, 87.682, 130.985

Background



This preview shows how black text looks on a background with the CIELCh color 66, 87.682, 130.985.



This preview shows how white text looks on a background with the CIELCh color 66, 87.682, 130.985.

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
66, 87.682, 130.985

Protanopia
66, 69.060, 95.168

Deuteranopia
65, 62.157, 82.299



Tritanopia
66, 22.360, 218.294

Trichromacy



Original Color
66, 87.682, 130.985



Protanomaly
65, 72.120, 112.443



Deuteranomaly
64, 65.689, 106.785



Tritanomaly
65, 44.282, 150.012

Monochromacy



Original Color
66, 87.682, 130.985



Achromatopsia
54, 0.007, 296.813



Achromatomaly
57, 40.629, 130.335

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 87.682, 130.985 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(73, 183, 0)` looks like.

```
.text, #text, p{  
    color:rgb(73, 183, 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(73, 183, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 183, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 87.682, 130.985 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(73, 183, 0) }
```

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

```
.border{ border-color:rgb(73, 183, 0) }
```

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

Here you see how a box with a 4 pixel rgb(73, 183, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 183, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 183, 0);  
box-shadow:4px 4px 4px 4px rgb(73, 183, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 66, 87.682, 130.985 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 183, 0) }
```

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

```
.background{ background-color: rgb(73, 183,  
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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