

Converting Colors

CIELCh(47, 66.372, 129.717)

Have a look what the booklet for
CIELCh(47, 66.372, 129.717)
contains.

CIELCh(47, 66.244, 129.802)	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(47, 66.244, 129.802)

Conversions

Conversions Part 1

Format	Color
Hex	367F00
RGB	54, 127, 0
RGB Percent	21%, 50%, 0%
CMY	0.7874, 0.5012, 0.9988
CMYK	0.57, 0.00, 1.00, 0.50
HSL	95°, 100%, 25%
HSV	95°, 100%, 50%
XYZ	9.1489, 16.0195, 2.6184
YIQ	90.6950, -2.7410, -54.9730

Conversions

Conversions Part 2

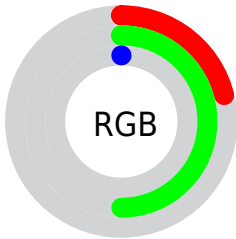
Format	Color
RYB	0, 127, 73
Decimal	3571456
CIELab	47.00, -42.41, 50.89
CIELCh	47, 66.244, 129.802
Yxy	16.0195, 0.3293, 0.5765
Android (android.graphics.Color)	4281761536 (0xFF367F00)
YUV	90.6950, -44.7126, -32.1815
Hunter-Lab	40.0243, -29.2404, 24.1383

Details

The CIELCh color **47, 66.244, 129.802** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **20, 73.017, 314.095**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 66.437, 129.867**, and **28, 50.313, 136.043** is the 20% darker color. If you saturate the color by 10%, you get **47, 66.325, 129.813**, and if you desaturate by 10%, it is **47, 62.838, 129.218**.

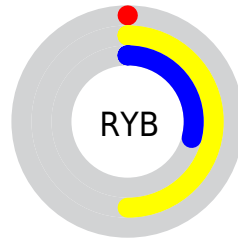
Distribution



Red (21%)

Green (50%)

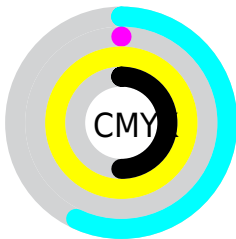
Blue (0%)



Red (0%)

Yellow (50%)

Blue (29%)

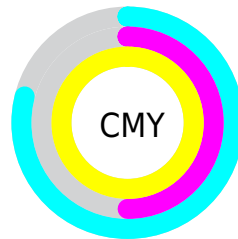


Cyan (57%)

Magenta (0%)

Yellow (100%)

Black (50%)



Cyan (79%)


Magenta (50%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 66.244, 129.802 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 47, 66.244, 129.802 by changing the saturation by 10% instead.


 47, 66.244,
129.802


 47, 66.244,
129.802


 100, 66.244,
129.802


 37, 66.244,
129.802

 67, 66.244,
129.802


 27, 66.244,
129.802

 77, 66.244,
129.802

 17, 66.244,
129.802

 87, 66.244,
129.802

 7, 66.244, 129.802

 97, 66.244,
129.802

 0, 66.244, 129.802

 47, 66.244,

 47, 66.244,

129.802

129.802

■ 47, 66.325,
129.813

■ 47, 62.838,
129.218

■ 48, 58.450,
128.839

■ 48, 52.823,
128.823

■ 49, 46.272,
129.055

■ 49, 39.089,
129.433

■ 50, 31.504,
129.882

■ 51, 23.681,
130.353

■ 51, 15.738,
130.819

Harmonies

Complementary

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



47, 66.244, 129.802



20, 73.017, 314.095

Rectangle

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



47, 66.244, 129.802



47, 66.244, 179.802



47, 66.244, 309.802



47, 66.244, 359.802

Sweetspot

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



47, 66.244, 129.803



65, 29.633, 130.309



36, 49.521, 67.602



34, 20.351, 130.140



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



47, 66.244, 129.803



60, 80.773, 130.184



46, 70.029, 136.862



26, 4.488, 131.294



47, 66.443, 129.817



0, 0.000, 0.000

Inverse Universe

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



20, 73.017, 314.095



27, 88.878, 313.831



29, 65.552, 330.974



25, 4.537, 312.004



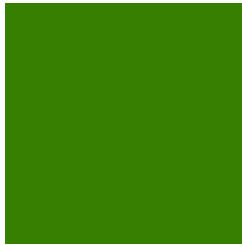
20, 73.247, 314.088



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 47, 66.244, 129.802 looks on a white 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 × Fail

Black Background



This preview shows how the CIE LCh color 47, 66.244, 129.802 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

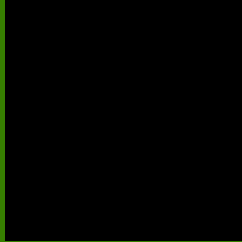
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 66.244, 129.802

Background



This preview shows how black text looks on a background with the CIELCh color 47, 66.244, 129.802.



This preview shows how white text looks on a background with the CIELCh color 47, 66.244, 129.802.

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

47, 66.244, 129.802

Protanopia

47, 52.981, 95.363

Deuteranopia

47, 46.908, 82.227



Tritanopia
47, 16.067, 219.727

Trichromacy



Original Color
47, 66.244, 129.802

Protanomaly
46, 55.316, 111.767

Deuteranomaly
46, 49.318, 105.609

Tritanomaly
46, 31.536, 149.646

Monochromacy



Original Color
47, 66.244, 129.802

Achromatopsia
39, 0.005, 296.813

Achromatomaly
41, 29.546, 129.387

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 66.244, 129.802 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(54, 127, 0)` looks like.

```
.text, #text, p{  
    color:rgb(54, 127, 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(54, 127, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 127, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 66.244, 129.802 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(54, 127, 0) }
```

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

```
.border{ border-color:rgb(54, 127, 0) }
```

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

Here you see how a box with a 4 pixel rgb(54, 127, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 127, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 127, 0);  
box-shadow:4px 4px 4px 4px rgb(54, 127, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 47, 66.244, 129.802 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 127, 0) }
```

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

```
.background{ background-color: rgb(54, 127,  
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](#).

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