

Converting Colors

CIELCh(47, 66.410, 130.009)

Have a look what the booklet for
CIELCh(47, 66.410, 130.009)
contains.

CIELCh(47, 66.397, 130.019)	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, 66.397, 130.019)

Conversions

Conversions Part 1

Format	Color
Hex	357F00
RGB	53, 127, 0
RGB Percent	21%, 50%, 0%
CMY	0.7909, 0.5008, 0.9982
CMYK	0.58, 0.00, 1.00, 0.50
HSL	95°, 99%, 25%
HSV	95°, 100%, 50%
XYZ	9.1141, 16.0195, 2.6243
YIQ	90.3960, -3.3370, -55.1850

Conversions

Conversions Part 2

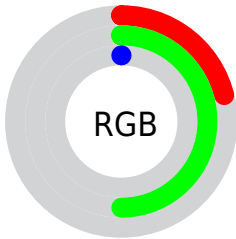
Format	Color
RYB	0, 127, 74
Decimal	3505920
CIELab	47.00, -42.70, 50.85
CIELCh	47, 66.397, 130.019
Yxy	16.0195, 0.3283, 0.5771
Android (android.graphics.Color)	4281696000 (0xFF357F00)
YUV	90.3960, -44.5652, -32.7963
Hunter-Lab	40.0243, -29.3956, 24.1295

Details

The CIELCh color **47, 66.397, 130.019** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **20, 72.890, 314.307**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 66.604, 130.127**, and **28, 50.313, 136.043** is the 20% darker color. If you saturate the color by 10%, you get **47, 66.517, 130.035**, and if you desaturate by 10%, it is **47, 62.981, 129.446**.

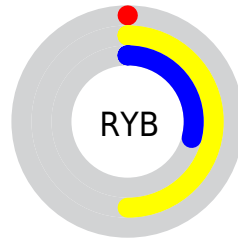
Distribution



Red (21%)

Green (50%)

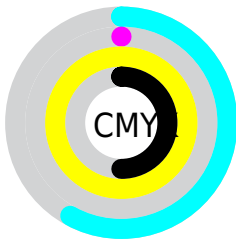
Blue (0%)



Red (0%)

Yellow (50%)

Blue (29%)

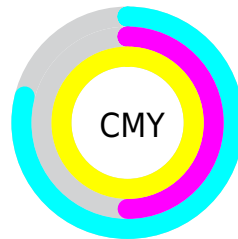


Cyan (58%)

Magenta (0%)

Yellow (100%)

Black (50%)



Cyan (79%)


Magenta (50%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 66.397, 130.019 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, 66.397, 130.019 by changing the saturation by 10% instead.


 47, 66.397,
130.019


 47, 66.397,
130.019


 100, 66.397,
130.019


 37, 66.397,
130.019

 67, 66.397,
130.019


 27, 66.397,
130.019

 77, 66.397,
130.019

 17, 66.397,
130.019

 87, 66.397,
130.019

 7, 66.397, 130.019

 97, 66.397,
130.019

 0, 66.397, 130.019

 47, 66.397,

 47, 66.397,

130.019

130.019

■ 47, 66.517,
130.035

■ 47, 62.981,
129.446

■ 48, 58.565,
129.081

■ 48, 52.909,
129.077

■ 49, 46.329,
129.318

■ 49, 39.119,
129.702

■ 50, 31.506,
130.155

■ 51, 23.658,
130.629

■ 52, 15.691,
131.095

Harmonies

Complementary

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



47, 66.397, 130.019



20, 72.890, 314.307

Rectangle

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



47, 66.397, 130.019



47, 66.397, 180.019



47, 66.397, 310.019



47, 66.397, 0.019

Sweetspot

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



47, 66.397, 130.020



65, 29.699, 130.578



36, 49.498, 67.617



34, 20.397, 130.410



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, 66.397, 130.020



60, 80.963, 130.402



46, 70.038, 136.867



26, 4.497, 131.565



47, 66.599, 130.037



0, 0.000, 0.000

Inverse Universe

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



20, 72.890, 314.307



27, 88.728, 314.042



29, 65.564, 330.970



25, 4.546, 312.272



20, 73.128, 314.298



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 47, 66.397, 130.019 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, 66.397, 130.019 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

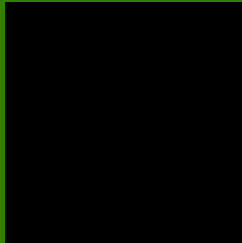
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 66.397, 130.019

Background



This preview shows how black text looks on a background with the CIELCh color 47, 66.397, 130.019.



This preview shows how white text looks on a background with the CIELCh color 47, 66.397, 130.019.

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, 66.397, 130.019

Protanopia

47, 52.981, 95.363

Deuteranopia

47, 46.542, 82.117



Tritanopia
47, 16.334, 219.330

Trichromacy



Original Color
47, 66.397, 130.019

Protanomaly
46, 55.316, 111.767

Deuteranomaly
46, 49.342, 106.168

Tritanomaly
46, 31.769, 150.041

Monochromacy



Original Color
47, 66.397, 130.019

Achromatopsia
39, 0.005, 296.813

Achromatomaly
41, 29.728, 130.113

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 66.397, 130.019 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(53, 127, 0)` looks like.

```
.text, #text, p{  
    color:rgb(53, 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(53, 127, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 127, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 66.397, 130.019 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(53, 127, 0) }
```

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

```
.border{ border-color:rgb(53, 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(53, 127, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 127, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 127, 0);  
box-shadow:4px 4px 4px 4px rgb(53, 127, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 47, 66.397, 130.019 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 127, 0) }
```

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

```
.background{ background-color: rgb(53, 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](#).

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