

Converting Colors

CIELCh(47, 60.997, 126.973)

Have a look what the booklet for
CIELCh(47, 60.997, 126.973)
contains.

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Color

CIELCh(47, 60.913, 127.018)

Conversions

Conversions Part 1

Format	Color
Hex	447D0D
RGB	68, 125, 13
RGB Percent	27%, 49%, 5%
CMY	0.7320, 0.5085, 0.9509
CMYK	0.45, 0.00, 0.90, 0.51
HSL	90°, 82%, 27%
HSV	90°, 90%, 49%
XYZ	9.8527, 16.0195, 2.9376
YIQ	95.1890, 1.9800, -46.9160

Conversions

Conversions Part 2

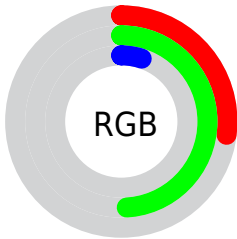
Format	Color
RYB	13, 125, 70
Decimal	4488461
CIELab	47.00, -36.67, 48.64
CIELCh	47, 60.913, 127.018
Yxy	16.0195, 0.3420, 0.5560
Android (android.graphics.Color)	4282678541 (0xFF447D0D)
YUV	95.1890, -40.5192, -23.8448
Hunter-Lab	40.0243, -26.1015, 23.6654

Details

The CIELCh color **47, 60.913, 127.018** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **20, 68.973, 312.611**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 60.516, 127.081**, and **27, 48.577, 134.848** is the 20% darker color. If you saturate the color by 10%, you get **47, 64.221, 127.670**, and if you desaturate by 10%, it is **47, 56.709, 126.571**.

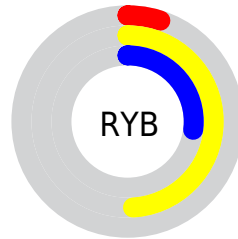
Distribution



Red (27%)

Green (49%)

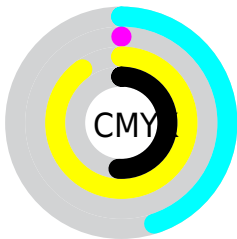
Blue (5%)



Red (5%)

Yellow (49%)

Blue (27%)

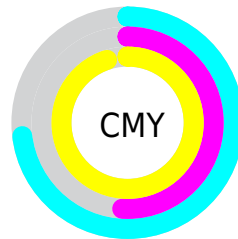


Cyan (45%)

Magenta (0%)

Yellow (90%)

Black (51%)



Cyan (73%)


Magenta (51%)


Yellow (95%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 60.913, 127.018 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, 60.913, 127.018 by changing the saturation by 10% instead.


 47, 60.913,
127.018


 47, 60.913,
127.018


 100, 60.913,
127.018


 37, 60.913,
127.018

 67, 60.913,
127.018


 27, 60.913,
127.018

 77, 60.913,
127.018

 17, 60.913,
127.018

 87, 60.913,
127.018

 7, 60.913, 127.018

 97, 60.913,
127.018

 0, 60.913, 127.018

 47, 60.913,

 47, 60.913,

127.018

127.018

■ 47, 64.221,
127.670

■ 47, 56.709,
126.571

■ 48, 51.296,
126.497

■ 48, 44.980,
126.683

■ 49, 38.047,
127.028

■ 49, 30.718,
127.456

■ 50, 23.152,
127.919

■ 51, 15.461,
128.385

■ 52, 7.723, 128.839

Harmonies

Complementary

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



47, 60.913, 127.018



20, 68.973, 312.611

Rectangle

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



47, 60.913, 127.018



47, 60.913, 177.018



47, 60.913, 307.018



47, 60.913, 357.018

Sweetspot

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



47, 60.913, 127.019



64, 25.874, 128.029



35, 45.559, 63.673



33, 17.333, 127.902



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



47, 60.913, 127.019



60, 78.135, 128.061



45, 67.956, 136.621



26, 4.413, 128.879



47, 65.038, 127.698



0, 0.000, 0.000

Inverse Universe

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



20, 68.973, 312.611



25, 89.173, 312.122



30, 65.951, 328.115



25, 4.469, 309.625



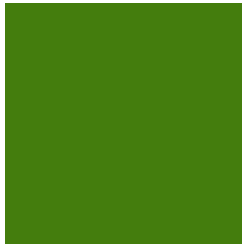
19, 74.316, 312.371



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 47, 60.913, 127.018 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 CIELCh color 47, 60.913, 127.018 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, 60.913, 127.018

Background



This preview shows how black text looks on a background with the CIELCh color 47, 60.913, 127.018.



This preview shows how white text looks on a background with the CIELCh color 47, 60.913, 127.018.

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, 60.716, 127.117

Protanopia

47, 51.865, 95.359

Deuteranopia

47, 46.169, 82.002



Tritanopia
47, 12.834, 222.944

Trichromacy



Original Color
47, 60.716, 127.117

Protanomaly
46, 52.854, 109.317

Deuteranomaly
46, 47.364, 102.398

Tritanomaly
47, 26.879, 146.826

Monochromacy



Original Color
47, 60.716, 127.117

Achromatopsia
40, 0.006, 296.813

Achromatomaly
42, 25.964, 127.796

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 60.913, 127.018 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(68, 125, 13)` looks like.

```
.text, #text, p{  
    color:rgb(68, 125, 13)  
}
```

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(68, 125, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 125, 13) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 60.913, 127.018 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(68, 125, 13) }
```

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

```
.border{ border-color:rgb(68, 125, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 125, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 125, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 125, 13);  
box-shadow:4px 4px 4px 4px rgb(68, 125,  
13) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 60.913, 127.018 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 125, 13) }
```

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

```
.background{ background-color: rgb(68, 125,  
13) }
```

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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