

Converting Colors

CIELCh(47, 60.569, 121.878)

Have a look what the booklet for
CIELCh(47, 60.569, 121.878)
contains.

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Color

CIELCh(47, 60.741, 121.890)

Conversions

Conversions Part 1

Format	Color
Hex	507C00
RGB	80, 124, 0
RGB Percent	31%, 49%, 0%
CMY	0.6877, 0.5150, 1.0000
CMYK	0.36, 0.00, 1.00, 0.52
HSL	81°, 100%, 24%
HSV	81°, 100%, 48%
XYZ	10.4410, 16.0195, 2.5269
YIQ	96.7080, 13.5800, -47.8920

Conversions

Conversions Part 2

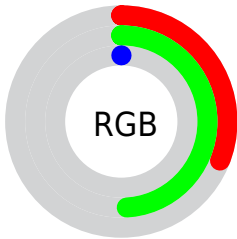
Format	Color
RYB	0, 124, 44
Decimal	5274624
CIELab	47.00, -32.09, 51.57
CIElCh	47, 60.741, 121.890
Yxy	16.0195, 0.3602, 0.5526
Android (android.graphics.Color)	4283464704 (0xFF507C00)
YUV	96.7080, -47.6770, -14.6529
Hunter-Lab	40.0243, -23.4778, 24.2738

Details

The CIELCh color **47, 60.741, 121.890** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **15, 74.907, 309.479**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 60.641, 121.869**, and **27, 46.123, 130.493** is the 20% darker color. If you saturate the color by 10%, you get **47, 60.641, 121.933**, and if you desaturate by 10%, it is **47, 57.643, 121.294**.

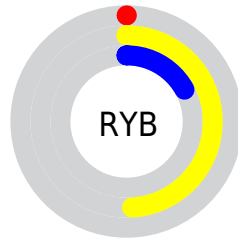
Distribution



Red (31%)

Green (49%)

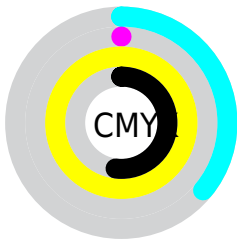
Blue (0%)



Red (0%)

Yellow (49%)

Blue (17%)

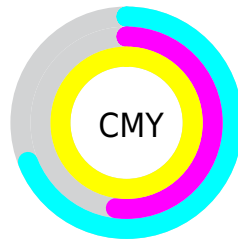


Cyan (36%)

Magenta (0%)

Yellow (100%)

Black (52%)



Cyan (69%)


Magenta (52%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 60.741, 121.890 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, 60.741, 121.890 by changing the saturation by 10% instead.


 47, 60.741,
121.890


 47, 60.741,
121.890


 100, 60.741,
121.890


 37, 60.741,
121.890

 67, 60.741,
121.890


 27, 60.741,
121.890

 77, 60.741,
121.890

 17, 60.741,
121.890

 87, 60.741,
121.890

 7, 60.741, 121.890

 97, 60.741,
121.890

 0, 60.741, 121.890

 47, 60.741,

 47, 60.741,

121.890

121.890

■ 47, 60.641,
121.933

■ 47, 57.643,
121.294

■ 48, 53.794,
120.872

■ 48, 48.752,
120.814

■ 48, 42.817,
121.015

■ 49, 36.268,
121.380

■ 49, 29.322,
121.842

■ 50, 22.131,
122.350

■ 51, 14.802,
122.873

Harmonies

Complementary

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



47, 60.741, 121.890



15, 74.907, 309.479

Rectangle

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



47, 60.741, 121.890



47, 60.741, 171.890



47, 60.741, 301.890



47, 60.741, 351.890

Sweetspot

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



47, 60.641, 121.933



64, 27.405, 122.312



29, 52.806, 51.018



33, 18.808, 122.133



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, 60.641, 121.933



60, 73.551, 122.304



45, 69.034, 134.893



25, 4.136, 123.442



47, 61.101, 121.950



91, 103.472, 122.771

Inverse Universe

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



15, 74.907, 309.479



22, 90.877, 309.234



25, 68.412, 322.682



24, 4.204, 304.345



16, 75.476, 309.468



36, 127.872, 308.937

Previews

White Background



This preview shows how the CIELCh color 47, 60.741, 121.890 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, 60.741, 121.890 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

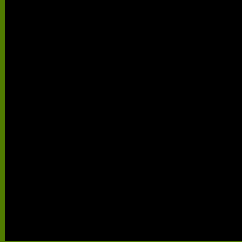
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 60.741, 121.890

Background



This preview shows how black text looks on a background with the CIELCh color 47, 60.741, 121.890.



This preview shows how white text looks on a background with the CIELCh color 47, 60.741, 121.890.

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, 60.741, 121.890

Protanopia

47, 52.981, 95.363

Deuteranopia

47, 47.616, 82.434



Tritanopia
47, 9.623, 232.457

Trichromacy



Original Color
47, 60.741, 121.890

Protanomaly
47, 54.309, 106.421

Deuteranomaly
46, 49.539, 99.902

Tritanomaly
46, 26.164, 136.264

Monochromacy



Original Color
47, 60.741, 121.890

Achromatopsia
41, 0.006, 296.813

Achromatomaly
42, 27.374, 121.742

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 60.741, 121.890 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(80, 124, 0)` looks like.

```
.text, #text, p{  
    color:rgb(80, 124, 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(80, 124, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 124, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 60.741, 121.890 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(80, 124, 0) }
```

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

```
.border{ border-color:rgb(80, 124, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 124, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 124, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 124, 0);  
box-shadow:4px 4px 4px 4px rgb(80, 124, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 47, 60.741, 121.890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 124, 0) }
```

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

```
.background{ background-color: rgb(80, 124,  
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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