

Converting Colors

CIELCh(47, 77.403, 118.135)

Have a look what the booklet for
CIELCh(47, 77.403, 118.135)
contains.

CIELCh(47, 62.134, 124.127)	3
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Color

CIELCh(47, 62.134, 124.127)

Conversions

Conversions Part 1

Format	Color
Hex	4A7D00
RGB	74, 125, 0
RGB Percent	29%, 49%, 0%
CMY	0.7112, 0.5112, 1.0000
CMYK	0.41, 0.00, 1.00, 0.51
HSL	85°, 100%, 24%
HSV	85°, 100%, 49%
XYZ	10.0828, 16.0195, 2.5454
YIQ	95.5010, 9.7290, -49.6870

Conversions

Conversions Part 2

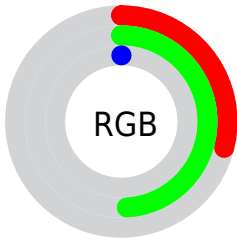
Format	Color
RYB	0, 125, 51
Decimal	4881664
CIELab	47.00, -34.86, 51.43
CIELCh	47, 62.134, 124.127
Yxy	16.0195, 0.3520, 0.5592
Android (android.graphics.Color)	4283071744 (0xFF4A7D00)
YUV	95.5010, -47.0820, -18.8564
Hunter-Lab	40.0243, -25.0752, 24.2465

Details

The CIELCh color $47, 62.134, 124.127$ is a dark color, and the websafe version is hex 336600 . A complement of this color would be $16, 74.561, 310.399$, and the grayscale version is $41, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 62.002, 124.124$, and $27, 47.463, 132.999$ is the 20% darker color. If you saturate the color by 10%, you get $47, 62.033, 124.173$, and if you desaturate by 10%, it is $47, 58.911, 123.497$.

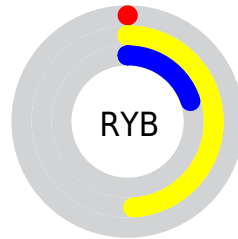
Distribution



Red (29%)

Green (49%)

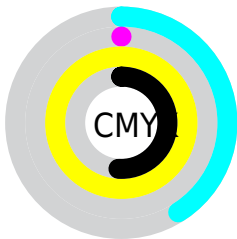
Blue (0%)



Red (0%)

Yellow (49%)

Blue (20%)

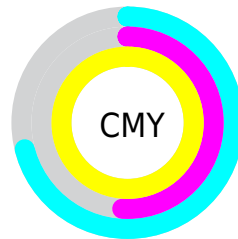


Cyan (41%)

Magenta (0%)

Yellow (100%)

Black (51%)



Cyan (71%)


Magenta (51%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 62.134, 124.127 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, 62.134, 124.127 by changing the saturation by 10% instead.


 47, 62.134,
124.127


 47, 62.134,
124.127


 100, 62.134,
124.127


 37, 62.134,
124.127

 67, 62.134,
124.127


 27, 62.134,
124.127

 77, 62.134,
124.127

 17, 62.134,
124.127

 87, 62.134,
124.127

 7, 62.134, 124.127

 97, 62.134,
124.127

 0, 62.134, 124.127

 47, 62.134,

 47, 62.134,

124.127

124.127

■ 47, 62.033,
124.173

■ 47, 58.911,
123.497

■ 48, 54.922,
123.040

■ 48, 49.736,
122.955

■ 48, 43.653,
123.134

■ 49, 36.956,
123.478

■ 50, 29.862,
123.916

■ 50, 22.527,
124.399

■ 51, 15.059,
124.893

Harmonies

Complementary

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



47, 62.134, 124.127



16, 74.561, 310.399

Rectangle

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



47, 62.134, 124.127



47, 62.134, 174.127



47, 62.134, 304.127



47, 62.134, 354.127

Sweetspot

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



47, 62.033, 124.173



64, 28.073, 124.362



31, 51.954, 54.345



33, 19.024, 124.194



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, 62.033, 124.173



61, 75.724, 124.569



45, 69.850, 135.344



25, 4.177, 125.428



47, 62.141, 124.177



90, 105.347, 125.036

Inverse Universe

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



16, 74.561, 310.399



23, 90.987, 310.135



27, 68.452, 324.480



24, 4.241, 306.260



16, 74.691, 310.396



38, 126.525, 309.829

Previews

White Background



This preview shows how the CIELCh color 47, 62.134, 124.127 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, 62.134, 124.127 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

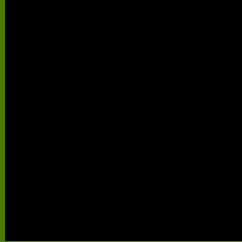
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 62.134, 124.127

Background



This preview shows how black text looks on a background with the CIELCh color 47, 62.134, 124.127.



This preview shows how white text looks on a background with the CIELCh color 47, 62.134, 124.127.

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, 62.134, 124.127

Protanopia
47, 52.981, 95.363

Deuteranopia
47, 47.266, 82.333



Tritanopia
47, 11.373, 226.539

Trichromacy



Original Color
47, 62.134, 124.127

Protanomaly
46, 54.441, 107.927

Deuteranomaly
46, 49.216, 101.059

Tritanomaly
46, 27.424, 140.392

Monochromacy



Original Color
47, 62.134, 124.127

Achromatopsia
40, 0.006, 296.813

Achromatomaly
42, 28.320, 123.939

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 62.134, 124.127 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(74, 125, 0)` looks like.

```
.text, #text, p{  
    color:rgb(74, 125, 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(74, 125, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 125, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 62.134, 124.127 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(74, 125, 0) }
```

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

```
.border{ border-color:rgb(74, 125, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 125, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 125, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 125, 0);  
box-shadow:4px 4px 4px 4px rgb(74, 125, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 47, 62.134, 124.127 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 125, 0) }
```

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

```
.background{ background-color: rgb(74, 125,  
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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