

Converting Colors

CIELCh(49, 60.137, 116.984)

Have a look what the booklet for
CIELCh(49, 60.137, 116.984)
contains.

CIELCh(49, 59.993, 117.068)	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(49, 59.993, 117.068)

Conversions

Conversions Part 1

Format	Color
Hex	5F7F00
RGB	95, 127, 0
RGB Percent	37%, 50%, 0%
CMY	0.6277, 0.5022, 1.0000
CMYK	0.25, 0.00, 1.00, 0.50
HSL	75°, 100%, 25%
HSV	75°, 100%, 50%
XYZ	12.2952, 17.5941, 2.7454
YIQ	102.9540, 21.6950, -46.2810

Conversions

Conversions Part 2

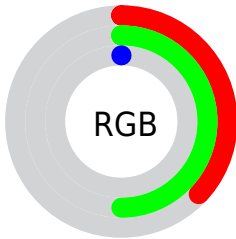
Format	Color
RYB	0, 127, 32
Decimal	6258432
CIELab	49.00, -27.30, 53.42
CIELCh	49, 59.993, 117.068
Yxy	17.5941, 0.3768, 0.5391
Android (android.graphics.Color)	4284448512 (0xFF5F7F00)
YUV	102.9540, -50.7563, -6.9757
Hunter-Lab	41.9453, -21.0816, 25.4810

Details

The CIELCh color $49, 59.993, 117.068$ is a dark color, and the websafe version is hex 669933 . A complement of this color would be $15, 77.752, 308.021$, and the grayscale version is $44, 0.006, 296.813$.

A 20% lighter version of the original color is $69, 59.994, 117.192$, and $29, 44.882, 124.719$ is the 20% darker color. If you saturate the color by 10%, you get $49, 59.978, 117.075$, and if you desaturate by 10%, it is $49, 57.235, 116.563$.

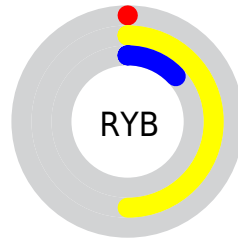
Distribution



Red (37%)

Green (50%)

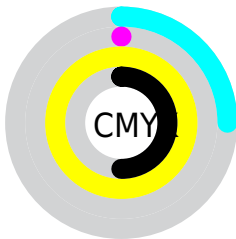
Blue (0%)



Red (0%)

Yellow (50%)

Blue (13%)

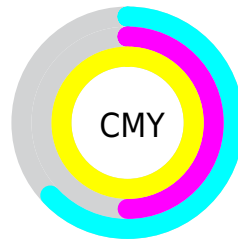


Cyan (25%)

Magenta (0%)

Yellow (100%)

Black (50%)



Cyan (63%)

Magenta (50%)

Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 59.993, 117.068 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 49, 59.993, 117.068 by changing the saturation by 10% instead.


 49, 59.993,
117.068

 49, 59.993,
117.068


 100, 59.993,
117.068

 39, 59.993,
117.068

 69, 59.993,
117.068


 29, 59.993,
117.068

 79, 59.993,
117.068

 19, 59.993,
117.068

 89, 59.993,
117.068

 9, 59.993, 117.068

 99, 59.993,
117.068

 0, 59.993, 117.068

 49, 59.993,

 49, 59.993,

117.068

117.068

■ 49, 59.978,
117.075

■ 49, 57.235,
116.563

■ 50, 53.573,
116.275

■ 50, 48.661,
116.321

■ 50, 42.809,
116.609

■ 51, 36.309,
117.054

■ 51, 29.388,
117.594

■ 51, 22.204,
118.184

■ 52, 14.866,
118.793

Harmonies

Complementary

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



49, 59.993, 117.068



15, 77.752, 308.021

Rectangle

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



49, 59.993, 117.068



49, 59.993, 167.068



49, 59.993, 297.068



49, 59.993, 347.068

Sweetspot

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



49, 59.978, 117.075



66, 27.604, 118.141



28, 56.485, 45.538



34, 18.937, 117.929



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



49, 59.978, 117.075



63, 72.972, 117.378



46, 69.201, 133.614



27, 4.211, 119.455



49, 60.167, 117.080



0, 0.000, 0.000

Inverse Universe

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



15, 77.752, 308.021



21, 94.703, 307.823



24, 70.689, 319.252



25, 4.290, 300.549



15, 78.000, 308.017



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 49, 59.993, 117.068 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 49, 59.993, 117.068 looks on a black 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

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

CIELCh 49, 59.993, 117.068

Background



This preview shows how black text looks on a background with the CIELCh color 49, 59.993, 117.068.



This preview shows how white text looks on a background with the CIELCh color 49, 59.993, 117.068.

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](#).

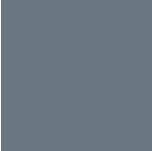
Dichromacy



Original Color
49, 59.993, 117.068

Protanopia
49, 54.958, 95.704

Deuteranopia
49, 49.978, 82.908



Tritanopia
49, 6.895, 249.354

Trichromacy



Original Color
49, 59.993, 117.068

Protanomaly
49, 55.859, 104.333

Deuteranomaly
48, 51.247, 97.265

Tritanomaly
48, 24.570, 126.696

Monochromacy



Original Color
49, 59.993, 117.068

Achromatopsia
44, 0.006, 296.813

Achromatomaly
45, 27.251, 117.932

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 59.993, 117.068 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(95, 127, 0)` looks like.

```
.text, #text, p{  
    color:rgb(95, 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(95, 127, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 127, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 59.993, 117.068 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(95, 127, 0) }
```

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

```
.border{ border-color:rgb(95, 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(95, 127, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 127, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 127, 0);  
box-shadow:4px 4px 4px 4px rgb(95, 127, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 49, 59.993, 117.068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 127, 0) }
```

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

```
.background{ background-color: rgb(95, 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