

Converting Colors

CIELCh(47, 49.337, 119.648)

Have a look what the booklet for
CIELCh(47, 49.337, 119.648)
contains.

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Color

CIELCh(47, 49.429, 119.534)

Conversions

Conversions Part 1

Format	Color
Hex	5C7920
RGB	92, 121, 32
RGB Percent	36%, 47%, 13%
CMY	0.6397, 0.5259, 0.8750
CMYK	0.24, 0.00, 0.74, 0.53
HSL	80°, 58%, 30%
HSV	80°, 74%, 47%
XYZ	11.4842, 16.0195, 3.8447
YIQ	102.1830, 11.2850, -33.8270

Conversions

Conversions Part 2

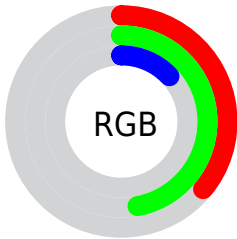
Format	Color
R_{YB}	32, 121, 61
Decimal	6060320
CIE _{Lab}	47.00, -24.37, 43.01
CIE _{LCh}	47, 49.429, 119.534
Yxy	16.0195, 0.3663, 0.5110
Android (android.graphics.Color)	4284250400 (0xFF5C7920)
YUV	102.1830, -34.6002, -8.9305
Hunter-Lab	40.0243, -18.8254, 22.3216

Details

The CIELCh color $47, 49.429, 119.534$ is a dark color, and the websafe version is hex 336600 . A complement of this color would be $22, 58.165, 308.021$, and the grayscale version is $43, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 48.933, 119.397$, and $27, 41.952, 123.396$ is the 20% darker color. If you saturate the color by 10%, you get $47, 53.941, 119.681$, and if you desaturate by 10%, it is $47, 43.934, 119.678$.

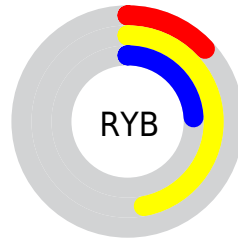
Distribution



Red (36%)

Green (47%)

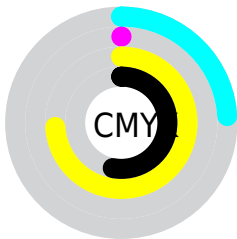
Blue (13%)



Red (13%)

Yellow (47%)

Blue (24%)

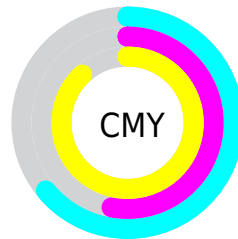


Cyan (24%)

Magenta (0%)

Yellow (74%)

Black (53%)



Cyan (64%)

Magenta (53%)

Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 49.429, 119.534 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, 49.429, 119.534 by changing the saturation by 10% instead.


 47, 49.429,
119.534

 47, 49.429,
119.534

 100, 49.429,
119.534

 37, 49.429,
119.534

 67, 49.429,
119.534

 27, 49.429,
119.534

 77, 49.429,
119.534

 17, 49.429,
119.534

 87, 49.429,
119.534

 7, 49.429, 119.534

 97, 49.429,
119.534

 0, 49.429, 119.534

 47, 49.429,

 47, 49.429,

119.534

■ 47, 53.941,
119.681

■ 46, 57.224,
120.201

■ 46, 59.102,
120.557

119.534

■ 47, 43.934,
119.678

■ 48, 37.745,
120.013

■ 48, 31.097,
120.464

■ 49, 24.161,
120.978

■ 49, 17.053,
121.518

■ 50, 9.853, 122.060

■ 51, 2.618, 122.600

■ 51, 4.615, 303.081

■ 52, 11.816,

Harmonies

Complementary

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



47, 49.429, 119.534



22, 58.165, 308.021

Rectangle

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



47, 49.429, 119.534



47, 49.429, 169.534



47, 49.429, 299.534



47, 49.429, 349.534

Sweetspot

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



47, 49.429, 119.536



63, 19.786, 121.576



33, 37.649, 50.135



32, 13.213, 121.462



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



47, 49.429, 119.536



60, 68.336, 119.982



45, 56.626, 135.014



25, 4.115, 122.305



48, 60.542, 120.607



91, 102.457, 121.397

Inverse Universe

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



22, 58.165, 308.021



24, 83.817, 308.766



28, 57.384, 321.885



24, 4.185, 303.255



15, 75.900, 309.003



36, 128.584, 308.498

Previews

White Background



This preview shows how the CIELCh color 47, 49.429, 119.534 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, 49.429, 119.534 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

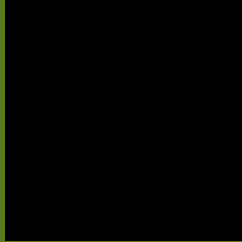
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 49.429, 119.534

Background



This preview shows how black text looks on a background with the CIELCh color 47, 49.429, 119.534.



This preview shows how white text looks on a background with the CIELCh color 47, 49.429, 119.534.

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

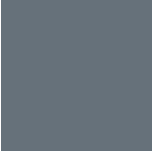
47, 49.429, 119.534

Protanopia

47, 45.009, 95.202

Deuteranopia

47, 42.035, 81.986



Tritanopia
47, 6.708, 251.897

Trichromacy



Original Color
47, 49.429, 119.534

Protanomaly
47, 45.684, 105.118

Deuteranomaly
46, 41.863, 97.018

Tritanomaly
47, 17.633, 133.673

Monochromacy



Original Color
47, 49.429, 119.534

Achromatopsia
43, 0.006, 296.813

Achromatomaly
44, 19.487, 121.928

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 49.429, 119.534 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(92, 121, 32)` looks like.

```
.text, #text, p{  
    color:rgb(92, 121, 32)  
}
```

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(92, 121, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 121, 32) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 49.429, 119.534 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(92, 121, 32) }
```

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

```
.border{ border-color:rgb(92, 121, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(92, 121, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 121, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 121, 32);  
box-shadow:4px 4px 4px 4px rgb(92, 121,  
32) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 49.429, 119.534 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 121, 32) }
```

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

```
.background{ background-color: rgb(92, 121,  
32) }
```

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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