

Converting Colors

CIELCh(47, 49.237, 102.648)

Have a look what the booklet for
CIELCh(47, 49.237, 102.648)
contains.

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Color

CIELCh(47, 49.161, 102.891)

Conversions

Conversions Part 1

Format	Color
Hex	747314
RGB	116, 115, 20
RGB Percent	45%, 45%, 8%
CMY	0.5452, 0.5491, 0.9216
CMYK	0.00, 0.01, 0.83, 0.55
HSL	59°, 71%, 27%
HSV	59°, 83%, 45%
XYZ	13.4546, 16.0195, 3.0437
YIQ	104.4690, 31.0910, -29.3330

Conversions

Conversions Part 2

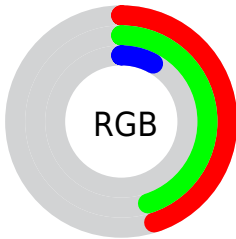
Format	Color
R_{YB}	21, 116, 20
Decimal	7631636
CIE _{Lab}	47.00, -10.97, 47.92
CIE _{LCh}	47, 49.161, 102.891
Yxy	16.0195, 0.4138, 0.4926
Android (android.graphics.Color)	4285821716 (0xFF747314)
YUV	104.4690, -41.6432, 10.1127
Hunter-Lab	40.0243, -10.0377, 23.5082

Details

The CIELCh color $47, 49.161, 102.891$ is a dark color, and the websafe version is hex 666600 . A complement of this color would be $15, 63.799, 303.390$, and the grayscale version is $44, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 49.394, 102.940$, and $27, 36.926, 104.577$ is the 20% darker color. If you saturate the color by 10%, you get $47, 51.997, 102.485$, and if you desaturate by 10%, it is $47, 45.098, 103.460$.

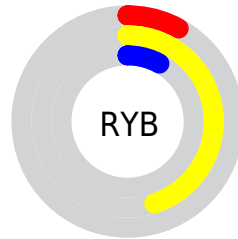
Distribution



Red (45%)

Green (45%)

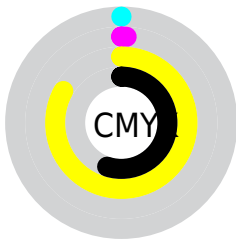
Blue (8%)



Red (8%)

Yellow (45%)

Blue (8%)

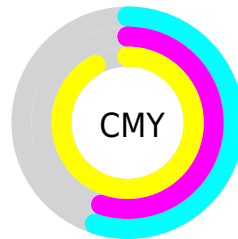


Cyan (0%)

Magenta (1%)

Yellow (83%)

Black (55%)



Cyan (55%)


Magenta (55%)


Yellow (92%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 49.161, 102.891 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, 49.161, 102.891 by changing the saturation by 10% instead.

 47, 49.161,
102.891


 47, 49.161,
102.891


 100, 49.161,
102.891


 37, 49.161,
102.891

 67, 49.161,
102.891


 27, 49.161,
102.891

 77, 49.161,
102.891

 17, 49.161,
102.891

 87, 49.161,
102.891

 7, 49.161, 102.891

 97, 49.161,
102.891

 0, 49.161, 102.891

 47, 49.161,

 47, 49.161,

102.891

■ 47, 51.997,
102.485

■ 47, 53.763,
102.228

102.891

■ 47, 45.098,
103.460

■ 47, 40.075,
104.159

■ 47, 34.379,
104.956

■ 48, 28.243,
105.821

■ 48, 21.830,
106.727

■ 48, 15.251,
107.653

■ 48, 8.578, 108.583

■ 49, 1.859, 109.488

Harmonies

Complementary

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



47, 49.161, 102.891



15, 63.799, 303.390

Rectangle

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



47, 49.161, 102.891



47, 49.161, 152.891



47, 49.161, 282.891



47, 49.161, 332.891

Sweetspot

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



47, 49.161, 102.893



61, 20.696, 107.387



25, 48.127, 32.504



32, 14.209, 107.129



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



47, 49.161, 102.893



60, 64.657, 102.240



44, 54.231, 125.870



25, 3.817, 108.927



49, 55.874, 102.224



95, 94.689, 102.189

Inverse Universe

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



15, 63.799, 303.390



17, 89.196, 306.013



20, 61.454, 312.143



22, 3.895, 290.658



12, 77.153, 306.083



32, 131.371, 306.202

Previews

White Background



This preview shows how the CIELCh color 47, 49.161, 102.891 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, 49.161, 102.891 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, 49.161, 102.891

Background



This preview shows how black text looks on a background with the CIELCh color 47, 49.161, 102.891.



This preview shows how white text looks on a background with the CIELCh color 47, 49.161, 102.891.

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, 49.161, 102.891

Protanopia

47, 48.863, 95.378

Deuteranopia

47, 47.078, 82.966



Tritanopia
47, 8.088, 344.671

Trichromacy



Original Color
47, 49.161, 102.891

Protanomaly
47, 48.919, 98.284

Deuteranomaly
47, 46.927, 90.373

Tritanomaly
47, 18.210, 93.342

Monochromacy



Original Color
47, 49.161, 102.891

Achromatopsia
44, 0.006, 296.813

Achromatomaly
45, 20.565, 107.225

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 49.161, 102.891 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(116, 115, 20)` looks like.

```
.text, #text, p{  
    color:rgb(116, 115, 20)  
}
```

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(116, 115, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 115, 20) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 49.161, 102.891 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(116, 115, 20) }
```

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

```
.border{ border-color:rgb(116, 115, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 115, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 115, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 115, 20);  
box-shadow:4px 4px 4px 4px rgb(116, 115,  
20) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 49.161, 102.891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 115, 20) }
```

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

```
.background{ background-color: rgb(116,  
115, 20) }
```

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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