

Converting Colors

CIELCh(49, 47.556, 105.837)

Have a look what the booklet for
CIELCh(49, 47.556, 105.837)
contains.

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Color

CIELCh(49, 47.405, 105.635)

Conversions

Conversions Part 1

Format	Color
Hex	767920
RGB	118, 121, 32
RGB Percent	46%, 47%, 13%
CMY	0.5377, 0.5259, 0.8750
CMYK	0.02, 0.00, 0.74, 0.53
HSL	62°, 58%, 30%
HSV	62°, 74%, 47%
XYZ	14.5377, 17.5941, 3.9878
YIQ	109.9570, 26.7810, -28.3150

Conversions

Conversions Part 2

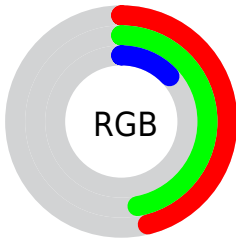
Format	Color
R_{YB}	32, 121, 35
Decimal	7764256
CIE Lab	49.00, -12.78, 45.65
CIE LCh	49, 47.405, 105.635
Yxy	17.5941, 0.4025, 0.4871
Android (android.graphics.Color)	4285954336 (0xFF767920)
YUV	109.9570, -38.4328, 7.0537
Hunter-Lab	41.9453, -11.5385, 23.7250

Details

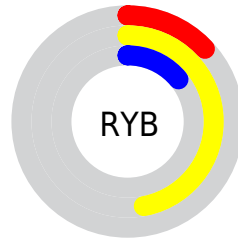
The CIELCh color $49, 47.405, 105.635$ is a dark color, and the websafe version is hex 666600 . A complement of this color would be $19, 59.232, 302.393$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $69, 47.332, 105.332$, and $29, 39.429, 107.418$ is the 20% darker color. If you saturate the color by 10%, you get $49, 51.493, 105.211$, and if you desaturate by 10%, it is $49, 42.278, 106.228$.

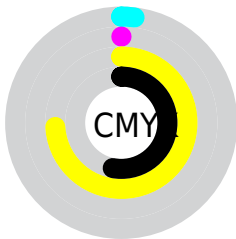
Distribution



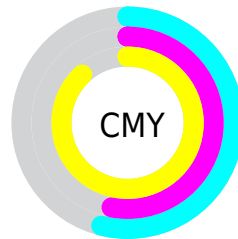
- Red (46%)
- Green (47%)
- Blue (13%)



- Red (13%)
- Yellow (47%)
- Blue (14%)



- Cyan (2%)
- Magenta (0%)
- Yellow (74%)
- Black (53%)



- Cyan (54%)
- Magenta (53%)
- Yellow (88%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 47.405, 105.635 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, 47.405, 105.635 by changing the saturation by 10% instead.

 49, 47.405,
105.635


 49, 47.405,
105.635

 100, 47.405,
105.635


 39, 47.405,
105.635

 69, 47.405,
105.635

 29, 47.405,
105.635

 79, 47.405,
105.635

 19, 47.405,
105.635

 89, 47.405,
105.635

 9, 47.405, 105.635

 99, 47.405,
105.635

 0, 47.405, 105.635

 49, 47.405,

 49, 47.405,

105.635

■ 49, 51.493,
105.211

■ 49, 54.293,
104.982

■ 49, 55.844,
104.869

105.635

■ 49, 42.278,
106.228

■ 49, 36.413,
106.940

■ 49, 30.058,
107.734

■ 50, 23.392,
108.578

■ 50, 16.536,
109.448

■ 50, 9.570, 110.324

■ 51, 2.547, 111.184

■ 51, 4.498, 292.059

■ 51, 11.542,

Harmonies

Complementary

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



49, 47.405, 105.635



19, 59.232, 302.393

Rectangle

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



49, 47.405, 105.635



49, 47.405, 155.635



49, 47.405, 285.635



49, 47.405, 335.635

Sweetspot

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



49, 47.405, 105.637



64, 19.190, 109.542



28, 43.772, 32.034



33, 12.810, 109.359



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



49, 47.405, 105.637



63, 64.981, 105.039



46, 52.292, 127.443



26, 3.999, 110.719



50, 57.185, 104.876



96, 96.271, 104.984

Inverse Universe

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



19, 59.232, 302.393



21, 86.625, 305.136



24, 57.547, 313.370



23, 4.082, 292.350



13, 78.685, 306.446



32, 132.653, 306.355

Previews

White Background



This preview shows how the CIELCh color 49, 47.405, 105.635 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, 47.405, 105.635 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

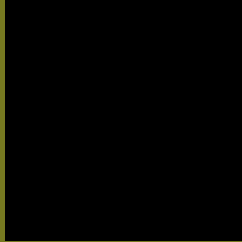
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 47.405, 105.635

Background



This preview shows how black text looks on a background with the CIELCh color 49, 47.405, 105.635.



This preview shows how white text looks on a background with the CIELCh color 49, 47.405, 105.635.

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, 47.405, 105.635

Protanopia

49, 46.698, 95.598

Deuteranopia

49, 45.334, 82.233



Tritanopia
49, 7.461, 335.247

Trichromacy



Original Color
49, 47.405, 105.635

Protanomaly
49, 46.723, 99.185

Deuteranomaly
49, 45.002, 91.119

Tritanomaly
49, 16.041, 96.954

Monochromacy



Original Color
49, 47.405, 105.635

Achromatopsia
46, 0.006, 296.813

Achromatomaly
47, 18.679, 108.963

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 47.405, 105.635 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(118, 121, 32)` looks like.

```
.text, #text, p{  
    color:rgb(118, 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(118, 121, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 121, 32) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 47.405, 105.635 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(118, 121, 32) }
```

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

```
.border{ border-color:rgb(118, 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(118, 121, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 121, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 121, 32);  
box-shadow:4px 4px 4px 4px rgb(118, 121,  
32) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 47.405, 105.635 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 121, 32) }
```

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

```
.background{ background-color: rgb(118,  
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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