

Converting Colors

CIELCh(49, 46.834, 107.369)

Have a look what the booklet for
CIELCh(49, 46.834, 107.369)
contains.

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Color

CIELCh(49, 46.661, 106.922)

Conversions

Conversions Part 1

Format	Color
Hex	747922
RGB	116, 121, 34
RGB Percent	45%, 47%, 13%
CMY	0.5439, 0.5244, 0.8655
CMYK	0.04, 0.00, 0.72, 0.52
HSL	63°, 56%, 31%
HSV	63°, 72%, 48%
XYZ	14.4067, 17.5941, 4.1725
YIQ	109.5870, 24.9470, -28.1170

Conversions

Conversions Part 2

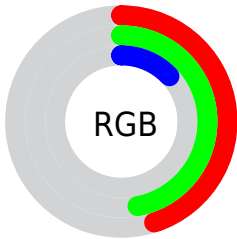
Format	Color
R_{YB}	34, 121, 39
Decimal	7633186
CIE _{Lab}	49.00, -13.58, 44.64
CIE _{LCh}	49, 46.661, 106.922
Yxy	17.5941, 0.3983, 0.4864
Android (android.graphics.Color)	4285823266 (0xFF747922)
YUV	109.5870, -37.2644, 5.6242
Hunter-Lab	41.9453, -12.0960, 23.4638

Details

The CIELCh color $49, 46.661, 106.922$ is a dark color, and the websafe version is hex 666600 . A complement of this color would be $20, 57.718, 302.413$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $69, 46.393, 107.038$, and $29, 39.539, 108.907$ is the 20% darker color. If you saturate the color by 10%, you get $49, 50.991, 106.522$, and if you desaturate by 10%, it is $49, 41.351, 107.496$.

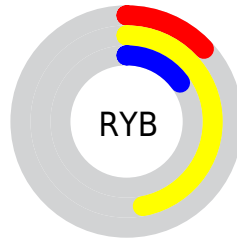
Distribution



Red (45%)

Green (47%)

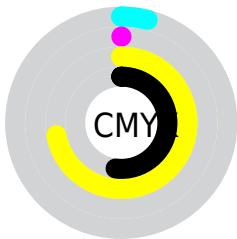
Blue (13%)



Red (13%)

Yellow (47%)

Blue (15%)

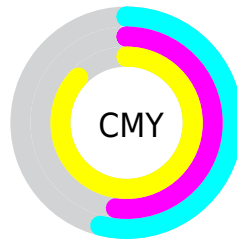


Cyan (4%)

Magenta (0%)

Yellow (72%)

Black (52%)



Cyan (54%)


Magenta (52%)


Yellow (87%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 46.661, 106.922 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, 46.661, 106.922 by changing the saturation by 10% instead.


 49, 46.661,
106.922

 49, 46.661,
106.922


 100, 46.661,
106.922


 39, 46.661,
106.922

 69, 46.661,
106.922

 29, 46.661,
106.922

 79, 46.661,
106.922

 19, 46.661,
106.922

 89, 46.661,
106.922

 9, 46.661, 106.922

 99, 46.661,
106.922

 0, 46.661, 106.922

 49, 46.661,

 49, 46.661,

106.922

106.922

■ 49, 50.991,
106.522

■ 49, 41.351,
107.496

■ 49, 54.046,
106.335

■ 49, 35.354,
108.187

■ 49, 56.056,
106.263

■ 50, 28.906,
108.958

■ 50, 22.173,
109.775

■ 50, 15.268,
110.614

■ 50, 8.264, 111.456

■ 51, 1.210, 112.270

■ 51, 5.861, 293.113

■ 52, 12.925,

Harmonies

Complementary

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



49, 46.661, 106.922



20, 57.718, 302.413

Rectangle

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



49, 46.661, 106.922



49, 46.661, 156.922



49, 46.661, 286.922



49, 46.661, 336.922

Sweetspot

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



49, 46.661, 106.924



64, 19.204, 110.545



28, 42.226, 32.330



33, 12.820, 110.369



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, 46.661, 106.924



63, 64.384, 106.375



46, 51.613, 127.999



26, 4.002, 111.677



50, 57.268, 106.273



95, 96.426, 106.455

Inverse Universe

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



20, 57.718, 302.413



21, 84.988, 305.058



25, 56.374, 313.804



23, 4.085, 293.240



13, 78.544, 306.557



32, 132.541, 306.406

Previews

White Background



This preview shows how the CIELCh color 49, 46.661, 106.922 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, 46.661, 106.922 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

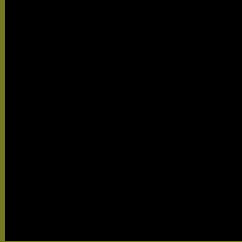
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 46.661, 106.922

Background



This preview shows how black text looks on a background with the CIELCh color 49, 46.661, 106.922.



This preview shows how white text looks on a background with the CIELCh color 49, 46.661, 106.922.

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, 46.661, 106.922

Protanopia

49, 45.912, 95.570

Deuteranopia

49, 44.070, 81.807



Tritanopia
49, 6.919, 330.389

Trichromacy



Original Color
49, 46.661, 106.922

Protanomaly
49, 46.311, 99.838

Deuteranomaly
49, 44.037, 91.613

Tritanomaly
49, 15.319, 99.889

Monochromacy



Original Color
49, 46.661, 106.922

Achromatopsia
46, 0.006, 296.813

Achromatomaly
47, 18.698, 110.318

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 46.661, 106.922 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, 121, 34)` looks like.

```
.text, #text, p{  
    color:rgb(116, 121, 34)  
}
```

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, 121, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 121, 34) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 46.661, 106.922 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, 121, 34) }
```

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

```
.border{ border-color:rgb(116, 121, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 121, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 121, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 121, 34);  
box-shadow:4px 4px 4px 4px rgb(116, 121,  
34) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 46.661, 106.922 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 121, 34) }
```

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

```
.background{ background-color: rgb(116,  
121, 34) }
```

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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