

Converting Colors

CIELCh(49, 29.373, 105.941)

Have a look what the booklet for
CIELCh(49, 29.373, 105.941)
contains.

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Color

CIELCh(49, 29.166, 106.258)

Conversions

Conversions Part 1

Format	Color
Hex	777744
RGB	119, 119, 68
RGB Percent	47%, 47%, 27%
CMY	0.5326, 0.5326, 0.7326
CMYK	0.00, 0.00, 0.43, 0.53
HSL	60°, 27%, 37%
HSV	60°, 43%, 47%
XYZ	15.3027, 17.5941, 8.0869
YIQ	113.1860, 16.3710, -15.8610

Conversions

Conversions Part 2

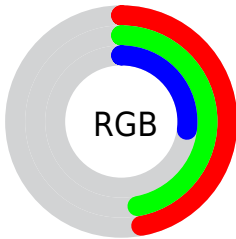
Format	Color
RYB	68, 119, 68
Decimal	7829316
CIELab	49.00, -8.17, 28.00
CIELCh	49, 29.166, 106.258
Yxy	17.5941, 0.3734, 0.4293
Android (android.graphics.Color)	4286019396 (0xFF777744)
YUV	113.1860, -22.2767, 5.0989
Hunter-Lab	41.9453, -8.2828, 17.9308

Details

The CIELCh color **49, 29.166, 106.258** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **31, 32.439, 295.701**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 29.184, 106.353**, and **29, 29.490, 106.526** is the 20% darker color. If you saturate the color by 10%, you get **49, 35.481, 105.411**, and if you desaturate by 10%, it is **49, 22.558, 107.156**.

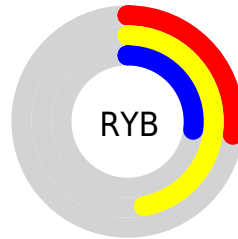
Distribution



Red (47%)

Green (47%)

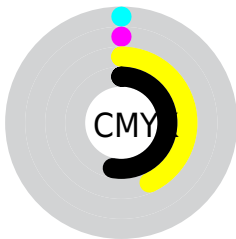
Blue (27%)



Red (27%)

Yellow (47%)

Blue (27%)

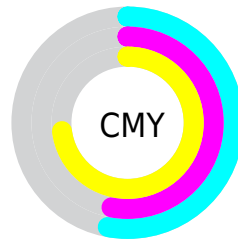


Cyan (0%)

Magenta (0%)

Yellow (43%)

Black (53%)



Cyan (53%)

Magenta (53%)

Yellow (73%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 29.166, 106.258 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, 29.166, 106.258 by changing the saturation by 10% instead.

 49, 29.166,
106.258


 49, 29.166,
106.258


 100, 29.166,
106.258


 39, 29.166,
106.258

 69, 29.166,
106.258


 29, 29.166,
106.258

 79, 29.166,
106.258

 19, 29.166,
106.258

 89, 29.166,
106.258

 9, 29.166, 106.258

 99, 29.166,
106.258

 0, 29.166, 106.258

 49, 29.166,

 49, 29.166,

106.258

106.258

■ 49, 35.481,
105.411

■ 49, 22.558,
107.156

■ 49, 41.329,
104.634

■ 49, 15.772,
108.074

■ 49, 46.471,
103.962

■ 50, 8.882, 108.998

■ 49, 50.613,
103.430

■ 50, 1.941, 109.900

■ 50, 5.019, 290.833

■ 49, 53.484,
103.068

■ 51, 11.976,
291.705

■ 48, 55.231,
102.850

■ 51, 18.914,
292.549

■ 52, 25.822,
293.359

■ 52, 32.689,

Harmonies

Complementary

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



49, 29.166, 106.258



31, 32.439, 295.701

Rectangle

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



49, 29.166, 106.258



49, 29.166, 156.258



49, 29.166, 286.258



49, 29.166, 336.258

Sweetspot

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



49, 29.167, 106.261



64, 11.217, 108.950



35, 23.823, 22.217



33, 7.907, 108.778



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, 29.167, 106.261



63, 42.655, 105.453



47, 31.300, 126.556



25, 3.857, 109.345



50, 56.291, 102.850



95, 95.435, 102.850

Inverse Universe

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



31, 32.439, 295.701



36, 48.991, 297.454



34, 33.283, 310.585



22, 3.936, 291.062



12, 77.728, 306.287



32, 131.781, 306.287

Previews

White Background



This preview shows how the CIELCh color 49, 29.166, 106.258 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, 29.166, 106.258 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

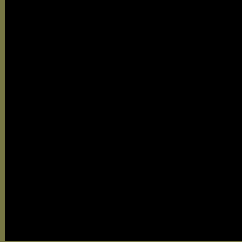
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 29.166, 106.258

Background



This preview shows how black text looks on a background with the CIELCh color 49, 29.166, 106.258.



This preview shows how white text looks on a background with the CIELCh color 49, 29.166, 106.258.

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, 29.166, 106.258

Protanopia

49, 28.773, 95.176

Deuteranopia

49, 27.990, 76.793



Tritanopia
49, 7.183, 332.905

Trichromacy



Original Color
49, 29.166, 106.258

Protanomaly
49, 28.950, 98.943

Deuteranomaly
49, 27.615, 87.935

Tritanomaly
49, 8.335, 85.022

Monochromacy



Original Color
49, 29.166, 106.258

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 10.541, 108.742

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 29.166, 106.258 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(119, 119, 68)` looks like.

```
.text, #text, p{  
    color:rgb(119, 119, 68)  
}
```

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(119, 119, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 119, 68) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 29.166, 106.258 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(119, 119, 68) }
```

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

```
.border{ border-color:rgb(119, 119, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 119, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 119, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 119, 68);  
box-shadow:4px 4px 4px 4px rgb(119, 119,  
68) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 29.166, 106.258 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 119, 68) }
```

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

```
.background{ background-color: rgb(119,  
119, 68) }
```

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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