

Converting Colors

CIELCh(49, 29.846, 69.047)

Have a look what the booklet for
CIELCh(49, 29.846, 69.047) contains.

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Color

CIELCh(49, 29.704, 68.983)

Conversions

Conversions Part 1

Format	Color
Hex	946D46
RGB	148, 109, 70
RGB Percent	58%, 43%, 27%
CMY	0.4207, 0.5735, 0.7264
CMYK	0.00, 0.26, 0.53, 0.42
HSL	30°, 36%, 43%
HSV	30°, 53%, 58%
XYZ	18.7036, 17.5941, 8.1656
YIQ	116.2150, 35.7630, -3.8610

Conversions

Conversions Part 2

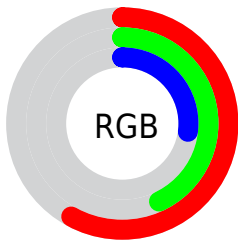
Format	Color
R_{YB}	148, 148, 70
Decimal	9727302
CIE Lab	49.00, 10.65, 27.73
CIE LCh	49, 29.704, 68.983
Yxy	17.5941, 0.4207, 0.3957
Android (android.graphics.Color)	4287917382 (0xFF946D46)
YUV	116.2150, -22.7840, 27.8754
Hunter-Lab	41.9453, 6.1900, 17.8196

Details

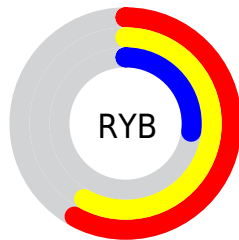
The CIELCh color **49, 29.704, 68.983** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **45, 25.580, 265.329**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **69, 29.667, 68.427**, and **29, 29.814, 69.352** is the 20% darker color. If you saturate the color by 10%, you get **47, 36.008, 67.711**, and if you desaturate by 10%, it is **51, 23.557, 70.232**.

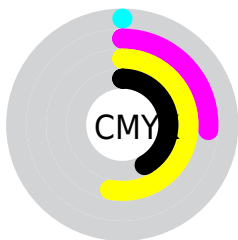
Distribution



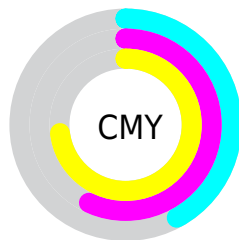
- Red (58%)
- Green (43%)
- Blue (27%)



- Red (58%)
- Yellow (58%)
- Blue (27%)



- Cyan (0%)
- Magenta (26%)
- Yellow (53%)
- Black (42%)



- Cyan (42%)
- Magenta (57%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 29.704, 68.983 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, 29.704, 68.983 by changing the saturation by 10% instead.

■ 49, 29.704, 68.983

■ 49, 29.704, 68.983

■ 100, 29.704,
68.983

■ 39, 29.704, 68.983

■ 69, 29.704, 68.983

■ 29, 29.704, 68.983

■ 79, 29.704, 68.983

■ 19, 29.704, 68.983

■ 89, 29.704, 68.983

■ 9, 29.704, 68.983

■ 99, 29.704, 68.983

■ 0, 29.704, 68.983

■ 49, 29.704, 68.983

■ 49, 29.704, 68.983

■ 47, 36.008, 67.711

■ 51, 23.557, 70.232

■ 45, 42.301, 66.350

■ 53, 17.641, 71.463

■ 43, 48.241, 64.784

■ 56, 11.977, 72.681

■ 41, 53.230, 62.778

■ 58, 6.565, 73.872

■ 40, 56.541, 61.323

■ 61, 1.390, 74.897

■ 63, 3.568, 256.355

■ 65, 8.330, 257.440

■ 68, 12.918,
258.522

■ 70, 17.351,
259.570

Harmonies

Complementary

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



49, 29.704, 68.983



45, 25.580, 265.329

Rectangle

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



49, 29.704, 68.983



49, 29.704, 118.983



49, 29.704, 248.983



49, 29.704, 298.983

Sweetspot

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



49, 29.704, 68.988



73, 10.234, 73.454



41, 38.168, 349.234



38, 6.994, 73.234



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



49, 29.704, 68.988



60, 44.715, 67.515



60, 42.202, 105.325



30, 2.882, 74.282



37, 53.655, 61.581



2, 2.480, 75.428

Inverse Universe

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



45, 25.580, 265.329



53, 37.325, 268.873



34, 48.753, 297.766



30, 2.824, 256.656



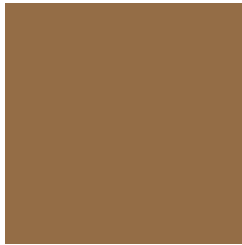
30, 44.617, 282.901



1, 2.481, 255.441

Previews

White Background



This preview shows how the CIELCh color 49, 29.704, 68.983 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, 29.704, 68.983 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

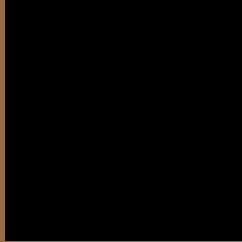
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 29.704, 68.983

Background



This preview shows how black text looks on a background with the CIELCh color 49, 29.704, 68.983.



This preview shows how white text looks on a background with the CIELCh color 49, 29.704, 68.983.

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, 29.704, 68.983

Protanopia

49, 25.817, 96.521

Deuteranopia

49, 28.752, 76.445



Tritanopia
49, 20.243, 10.526

Trichromacy



Original Color
49, 29.704, 68.983

Protanomaly
49, 26.367, 85.193

Deuteranomaly
49, 29.119, 73.631

Tritanomaly
49, 20.546, 37.881

Monochromacy



Original Color
49, 29.704, 68.983

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 10.491, 70.881

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 29.704, 68.983 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(148, 109, 70)` looks like.

```
.text, #text, p{  
    color:rgb(148, 109, 70)  
}
```

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(148, 109, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 109, 70) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 29.704, 68.983 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(148, 109, 70) }
```

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

```
.border{ border-color:rgb(148, 109, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 109, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 109, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 109, 70);  
box-shadow:4px 4px 4px 4px rgb(148, 109,  
70) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 29.704, 68.983 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 109, 70) }
```

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

```
.background{ background-color: rgb(148,  
109, 70) }
```

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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