

Converting Colors

CIELCh(49, 27.492, 106.507)

Have a look what the booklet for
CIELCh(49, 27.492, 106.507)
contains.

CIELCh(49, 27.525, 106.480)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(49, 27.525, 106.480)

Conversions

Conversions Part 1

Format	Color
Hex	777747
RGB	119, 119, 71
RGB Percent	47%, 47%, 28%
CMY	0.5330, 0.5330, 0.7213
CMYK	0.00, 0.00, 0.40, 0.53
HSL	60°, 25%, 37%
HSV	60°, 40%, 47%
XYZ	15.3631, 17.5941, 8.5591
YIQ	113.5280, 15.4080, -14.9280

Conversions

Conversions Part 2

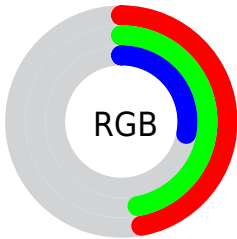
Format	Color
RYB	71, 119, 71
Decimal	7829319
CIELab	49.00, -7.81, 26.39
CIELCh	49, 27.525, 106.480
Yxy	17.5941, 0.3700, 0.4238
Android (android.graphics.Color)	4286019399 (0xFF777747)
YUV	113.5280, -20.9663, 4.7989
Hunter-Lab	41.9453, -8.0260, 17.2633

Details

The CIELCh color $49, 27.525, 106.480$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $32, 30.377, 295.276$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $69, 27.598, 106.475$, and $29, 27.433, 107.051$ is the 20% darker color. If you saturate the color by 10%, you get $49, 33.922, 105.620$, and if you desaturate by 10%, it is $49, 20.869, 107.386$.

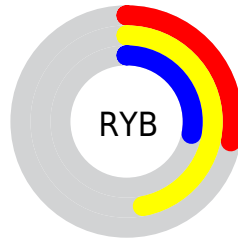
Distribution



Red (47%)

Green (47%)

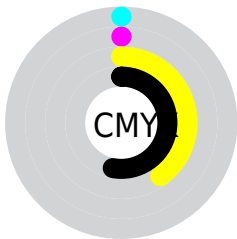
Blue (28%)



Red (28%)

Yellow (47%)

Blue (28%)

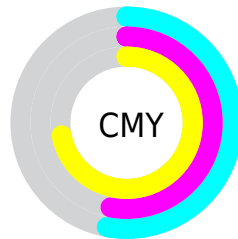


Cyan (0%)

Magenta (0%)

Yellow (40%)

Black (53%)



Cyan (53%)

Magenta (53%)

Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 27.525, 106.480 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, 27.525, 106.480 by changing the saturation by 10% instead.

 49, 27.525,
106.480

 49, 27.525,
106.480

 100, 27.525,
106.480


 39, 27.525,
106.480

 69, 27.525,
106.480


 29, 27.525,
106.480

 79, 27.525,
106.480

 19, 27.525,
106.480

 89, 27.525,
106.480

 9, 27.525, 106.480

 99, 27.525,
106.480

 0, 27.525, 106.480

 49, 27.525,

 49, 27.525,

106.480

106.480

■ 49, 33.922,
105.620

■ 49, 20.869,
107.386

■ 49, 39.901,
104.822

■ 49, 14.056,
108.307

■ 49, 45.241,
104.120

■ 50, 7.156, 109.229

■ 49, 49.657,
103.551

■ 50, 0.213, 109.944

■ 50, 6.743, 291.053

■ 48, 52.854,
103.146

■ 51, 13.691,
291.920

■ 48, 55.193,
102.854

■ 51, 20.617,
292.756

■ 52, 27.510,
293.556

■ 52, 34.361,

Harmonies

Complementary

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



49, 27.525, 106.480



32, 30.377, 295.276

Rectangle

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



49, 27.525, 106.480



49, 27.525, 156.480



49, 27.525, 286.480



49, 27.525, 336.480

Sweetspot

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



49, 27.526, 106.483



64, 10.357, 109.046



36, 22.337, 23.067



33, 6.922, 108.956



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, 27.526, 106.483



63, 40.341, 105.712



47, 29.642, 127.266



25, 3.857, 109.347



50, 56.293, 102.854



95, 95.438, 102.854

Inverse Universe

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



32, 30.377, 295.276



38, 45.833, 296.866



35, 31.324, 310.988



22, 3.936, 291.065



12, 77.730, 306.287



32, 131.782, 306.287

Previews

White Background



This preview shows how the CIE LCh color 49, 27.525, 106.480 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, 27.525, 106.480 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

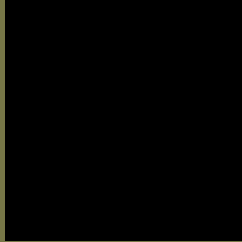
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 27.525, 106.480

Background



This preview shows how black text looks on a background with the CIELCh color 49, 27.525, 106.480.



This preview shows how white text looks on a background with the CIELCh color 49, 27.525, 106.480.

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, 27.525, 106.480

Protanopia

49, 27.043, 95.749

Deuteranopia

49, 26.480, 75.326



Tritanopia
49, 7.183, 332.905

Trichromacy



Original Color
49, 27.525, 106.480

Protanomaly
49, 27.248, 99.730

Deuteranomaly
49, 26.008, 87.084

Tritanomaly
49, 7.799, 83.407

Monochromacy



Original Color
49, 27.525, 106.480

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 10.525, 108.753

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 27.525, 106.480 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, 71)` looks like.

```
.text, #text, p{  
    color:rgb(119, 119, 71)  
}
```

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, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 119, 71) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 27.525, 106.480 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, 71) }
```

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

```
.border{ border-color:rgb(119, 119, 71) }
```

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, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 119, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 119, 71);  
box-shadow:4px 4px 4px 4px rgb(119, 119,  
71) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 27.525, 106.480 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, 71) }
```

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

```
.background{ background-color: rgb(119,  
119, 71) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor