

Converting Colors

CIELCh(49, 22.187, 111.345)

Have a look what the booklet for
CIELCh(49, 22.187, 111.345)
contains.

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Color

CIELCh(49, 21.995, 110.707)

Conversions

Conversions Part 1

Format	Color
Hex	747751
RGB	116, 119, 81
RGB Percent	45%, 47%, 32%
CMY	0.5439, 0.5322, 0.6813
CMYK	0.03, 0.00, 0.32, 0.53
HSL	65°, 19%, 39%
HSV	65°, 32%, 47%
XYZ	15.3683, 17.5941, 10.4246
YIQ	113.7710, 10.4100, -12.4540

Conversions

Conversions Part 2

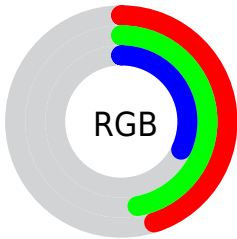
Format	Color
R_{YB}	81, 119, 84
Decimal	7632721
CIE _{Lab}	49.00, -7.78, 20.57
CIE _{LCh}	49, 21.995, 110.707
Yxy	17.5941, 0.3542, 0.4055
Android (android.graphics.Color)	4285822801 (0xFF747751)
YUV	113.7710, -16.1561, 1.9548
Hunter-Lab	41.9453, -8.0036, 14.6264

Details

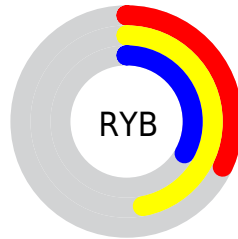
The CIELCh color $49, 21.995, 110.707$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $36, 23.667, 296.509$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $69, 21.746, 110.097$, and $29, 21.905, 111.218$ is the 20% darker color. If you saturate the color by 10%, you get $49, 28.643, 109.925$, and if you desaturate by 10%, it is $49, 15.178, 111.518$.

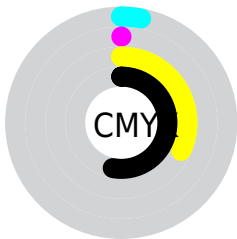
Distribution



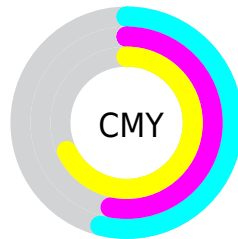
- Red (45%)
- Green (47%)
- Blue (32%)



- Red (32%)
- Yellow (47%)
- Blue (33%)



- Cyan (3%)
- Magenta (0%)
- Yellow (32%)
- Black (53%)




- Cyan (54%)
- Magenta (53%)
- Yellow (68%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 21.995, 110.707 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, 21.995, 110.707 by changing the saturation by 10% instead.


 49, 21.995,
110.707


 49, 21.995,
110.707


 100, 21.995,
110.707


 39, 21.995,
110.707

 69, 21.995,
110.707


 29, 21.995,
110.707

 79, 21.995,
110.707

 19, 21.995,
110.707

 89, 21.995,
110.707

 9, 21.995, 110.707

 99, 21.995,
110.707

 0, 21.995, 110.707

 49, 21.995,

 49, 21.995,

110.707

110.707

■ 49, 28.643,
109.925

■ 49, 15.178,
111.518

■ 48, 35.009,
109.187

■ 50, 8.262, 112.329

■ 48, 40.931,
108.532

■ 50, 1.298, 113.116

■ 51, 5.683, 293.920

■ 48, 46.179,
108.003

■ 51, 12.657,
294.673

■ 48, 50.463,
107.653

■ 51, 19.607,
295.395

■ 48, 53.495,
107.536

■ 52, 26.522,
296.084

■ 48, 55.500,
107.518

■ 53, 33.390,
296.736

■ 53, 40.206,

Harmonies

Complementary

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



49, 21.995, 110.707



36, 23.667, 296.509

Rectangle

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



49, 21.995, 110.707



49, 21.995, 160.707



49, 21.995, 290.707



49, 21.995, 340.707

Sweetspot

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



49, 21.996, 110.710



64, 8.653, 112.459



39, 16.181, 27.075



33, 5.949, 112.367



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, 21.996, 110.710



63, 32.402, 110.150



48, 23.990, 129.977



24, 3.866, 112.558



49, 56.534, 107.530



94, 95.890, 107.785

Inverse Universe

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



36, 23.667, 296.509



44, 35.564, 297.450



38, 24.865, 312.741



22, 3.945, 294.048



12, 77.254, 306.667



32, 131.390, 306.470

Previews

White Background



This preview shows how the CIE LCh color 49, 21.995, 110.707 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, 21.995, 110.707 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

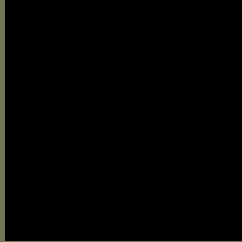
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

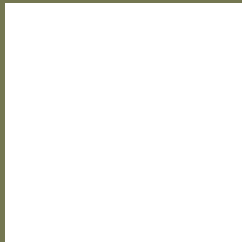
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 49, 21.995, 110.707

Background



This preview shows how black text looks on a background with the CIELCh color 49, 21.995, 110.707.



This preview shows how white text looks on a background with the CIELCh color 49, 21.995, 110.707.

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, 21.995, 110.707

Protanopia

49, 21.404, 95.157

Deuteranopia

49, 20.687, 71.535



Tritanopia
49, 6.209, 321.709

Trichromacy



Original Color
49, 21.995, 110.707

Protanomaly
49, 21.559, 101.294

Deuteranomaly
49, 20.082, 86.514

Tritanomaly
49, 4.958, 89.909

Monochromacy



Original Color
49, 21.995, 110.707

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 8.208, 112.009

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 21.995, 110.707 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, 119, 81)` looks like.

```
.text, #text, p{  
    color:rgb(116, 119, 81)  
}
```

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, 119, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 119, 81) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 21.995, 110.707 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, 119, 81) }
```

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

```
.border{ border-color:rgb(116, 119, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 119, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 119, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 119, 81);  
box-shadow:4px 4px 4px 4px rgb(116, 119,  
81) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 21.995, 110.707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 119, 81) }
```

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

```
.background{ background-color: rgb(116,  
119, 81) }
```

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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