

Converting Colors

CIELCh(49, 14.399, 111.632)

Have a look what the booklet for
CIELCh(49, 14.399, 111.632)
contains.

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Color

CIELCh(49, 14.002, 111.830)

Conversions

Conversions Part 1

Format	Color
Hex	74765E
RGB	116, 118, 94
RGB Percent	45%, 46%, 37%
CMY	0.5437, 0.5358, 0.6300
CMYK	0.02, 0.00, 0.20, 0.54
HSL	65°, 11%, 42%
HSV	65°, 20%, 46%
XYZ	15.8075, 17.5941, 13.2346
YIQ	114.6660, 6.5120, -7.8880

Conversions

Conversions Part 2

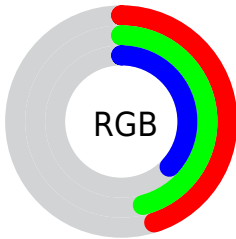
Format	Color
RYB	94, 118, 96
Decimal	7632478
CIELab	49.00, -5.21, 13.00
CIElCh	49, 14.002, 111.830
Yxy	17.5941, 0.3390, 0.3773
Android (android.graphics.Color)	4285822558 (0xFF74765E)
YUV	114.6660, -10.1883, 1.1699
Hunter-Lab	41.9453, -6.1346, 10.6545

Details

The CIELCh color $49, 14.002, 111.830$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $41, 14.636, 295.314$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $69, 14.211, 111.929$, and $29, 13.993, 111.438$ is the 20% darker color. If you saturate the color by 10%, you get $49, 20.799, 111.032$, and if you desaturate by 10%, it is $49, 7.120, 112.637$.

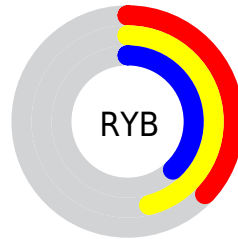
Distribution



Red (45%)

Green (46%)

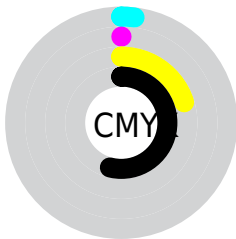
Blue (37%)



Red (37%)

Yellow (46%)

Blue (38%)

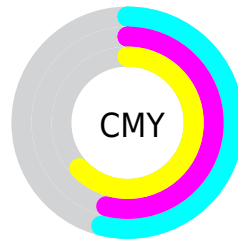


Cyan (2%)

Magenta (0%)

Yellow (20%)

Black (54%)



Cyan (54%)


Magenta (54%)

Yellow (63%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 14.002, 111.830 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, 14.002, 111.830 by changing the saturation by 10% instead.


 49, 14.002,
111.830


 49, 14.002,
111.830


 100, 14.002,
111.830


 39, 14.002,
111.830

 69, 14.002,
111.830


 29, 14.002,
111.830

 79, 14.002,
111.830

 19, 14.002,
111.830

 89, 14.002,
111.830

 9, 14.002, 111.830

 99, 14.002,
111.830

 0, 14.002, 111.830

 49, 14.002,

 49, 14.002,

111.830

111.830

■ 49, 20.799,
111.032

■ 49, 7.120, 112.637

■ 48, 27.439,
110.248

■ 50, 0.194, 113.318

■ 48, 33.821,
109.507

■ 50, 6.744, 294.208

■ 48, 39.792,
108.843

■ 51, 13.672,
294.949

■ 48, 45.137,
108.298

■ 51, 20.574,
295.660

■ 48, 49.575,
107.926

■ 52, 27.438,
296.336

■ 47, 52.813,
107.781

■ 52, 34.255,
296.976

■ 47, 55.215,
107.772

■ 53, 41.018,
297.579

■ 54, 47.720,

Harmonies

Complementary

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



49, 14.002, 111.830



41, 14.636, 295.314

Rectangle

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



49, 14.002, 111.830



49, 14.002, 161.830



49, 14.002, 291.830



49, 14.002, 341.830

Sweetspot

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



49, 14.003, 111.834



63, 5.124, 112.965



43, 9.644, 27.692



32, 3.379, 112.929



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



49, 14.003, 111.834



62, 20.402, 111.488



48, 15.266, 131.079



24, 3.866, 112.738



49, 56.560, 107.789



94, 95.939, 108.057

Inverse Universe

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



41, 14.636, 295.314



50, 21.543, 295.785



42, 15.596, 312.762



22, 3.945, 294.216



12, 77.228, 306.689



32, 131.358, 306.484

Previews

White Background



This preview shows how the CIE LCh color 49, 14.002, 111.830 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, 14.002, 111.830 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

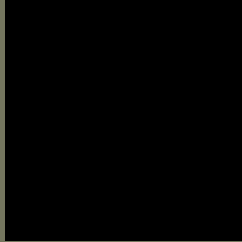
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

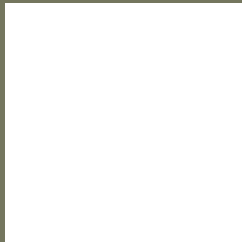
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 49, 14.002, 111.830

Background



This preview shows how black text looks on a background with the CIELCh color 49, 14.002, 111.830.



This preview shows how white text looks on a background with the CIELCh color 49, 14.002, 111.830.

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, 14.002, 111.830

Protanopia

49, 13.874, 93.773

Deuteranopia

49, 13.875, 62.223



Tritanopia
49, 5.835, 314.938

Trichromacy



Original Color
49, 14.002, 111.830

Protanomaly
49, 14.090, 101.200

Deuteranomaly
49, 12.726, 79.935

Tritanomaly
49, 2.131, 74.721

Monochromacy



Original Color
49, 14.002, 111.830

Achromatopsia
48, 0.006, 296.813

Achromatomaly
49, 5.290, 113.957

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 14.002, 111.830 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, 118, 94)` looks like.

```
.text, #text, p{  
    color:rgb(116, 118, 94)  
}
```

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, 118, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 118, 94) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 14.002, 111.830 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, 118, 94) }
```

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

```
.border{ border-color:rgb(116, 118, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 118, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 118, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 118, 94);  
box-shadow:4px 4px 4px 4px rgb(116, 118,  
94) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 14.002, 111.830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 118, 94) }
```

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

```
.background{ background-color: rgb(116,  
118, 94) }
```

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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