

Converting Colors

CIELCh(49, 13.520, 111.880)

Have a look what the booklet for
CIELCh(49, 13.520, 111.880)
contains.

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Color

CIELCh(49, 13.426, 112.050)

Conversions

Conversions Part 1

Format	Color
Hex	74765F
RGB	116, 118, 95
RGB Percent	45%, 46%, 37%
CMY	0.5439, 0.5361, 0.6263
CMYK	0.02, 0.00, 0.19, 0.54
HSL	65°, 11%, 42%
HSV	65°, 19%, 46%
XYZ	15.8362, 17.5941, 13.4578
YIQ	114.7800, 6.1910, -7.5770

Conversions

Conversions Part 2

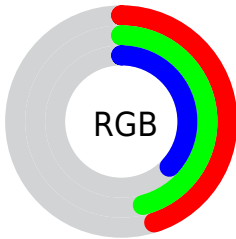
Format	Color
R_{YB}	95, 118, 97
Decimal	7632479
CIE Lab	49.00, -5.04, 12.44
CIE LCh	49, 13.426, 112.050
Yxy	17.5941, 0.3377, 0.3752
Android (android.graphics.Color)	4285822559 (0xFF74765F)
YUV	114.7800, -9.7515, 1.0699
Hunter-Lab	41.9453, -6.0124, 10.3389

Details

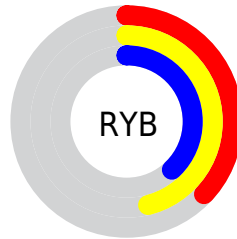
The CIELCh color **49, 13.426, 112.050** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **41, 14.006, 295.356**, and the grayscale version is **49, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 13.126, 112.293**, and **29, 13.371, 111.730** is the 20% darker color. If you saturate the color by 10%, you get **49, 20.231, 111.256**, and if you desaturate by 10%, it is **49, 6.540, 112.852**.

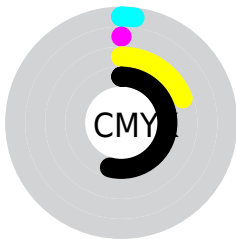
Distribution



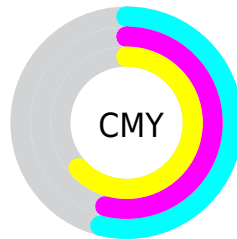
- Red (45%)
- Green (46%)
- Blue (37%)



- Red (37%)
- Yellow (46%)
- Blue (38%)



- Cyan (2%)
- Magenta (0%)
- Yellow (19%)
- Black (54%)





- Cyan (54%)
- Magenta (54%)
- Yellow (63%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 13.426, 112.050 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, 13.426, 112.050 by changing the saturation by 10% instead.


 49, 13.426,
112.050


 49, 13.426,
112.050


 100, 13.426,
112.050


 39, 13.426,
112.050

 69, 13.426,
112.050


 29, 13.426,
112.050

 79, 13.426,
112.050

 19, 13.426,
112.050

 89, 13.426,
112.050

 9, 13.426, 112.050

 99, 13.426,
112.050

 0, 13.426, 112.050

 49, 13.426,

 49, 13.426,

112.050

112.050

■ 49, 20.231,
111.256

■ 49, 6.540, 112.852

■ 48, 26.886,
110.475

■ 50, 0.387, 293.696

■ 50, 7.323, 294.408

■ 48, 33.294,
109.735

■ 51, 14.247,
295.142

■ 48, 39.307,
109.068

■ 51, 21.144,
295.845

■ 48, 44.715,
108.518

■ 52, 28.003,
296.513

■ 48, 49.242,
108.137

■ 52, 34.813,
297.145

■ 47, 52.593,
107.982

■ 53, 41.568,
297.740

■ 47, 55.077,
107.984

■ 54, 48.262,

■ 47, 55.218,
107.983

298.298

Harmonies

Complementary

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



49, 13.426, 112.050



41, 14.006, 295.356

Rectangle

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



49, 13.426, 112.050



49, 13.426, 162.050



49, 13.426, 292.050



49, 13.426, 342.050

Sweetspot

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



49, 13.427, 112.055



63, 5.125, 113.112



43, 9.213, 27.646



32, 3.379, 113.075



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, 13.427, 112.055



62, 19.565, 111.725



48, 14.630, 131.117



24, 3.867, 112.885



49, 56.582, 108.001



94, 95.981, 108.280

Inverse Universe

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



41, 14.006, 295.356



51, 20.607, 295.797



42, 14.933, 312.725



22, 3.946, 294.353



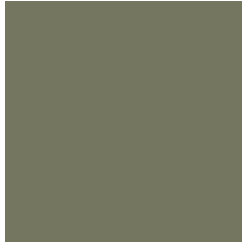
13, 77.206, 306.707



32, 131.332, 306.497

Previews

White Background



This preview shows how the CIELCh color 49, 13.426, 112.050 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, 13.426, 112.050 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

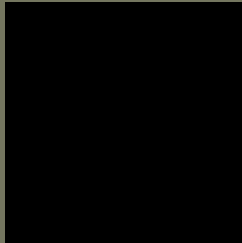
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

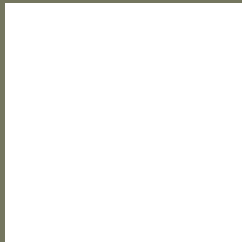
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 49, 13.426, 112.050

Background



This preview shows how black text looks on a background with the CIELCh color 49, 13.426, 112.050.



This preview shows how white text looks on a background with the CIELCh color 49, 13.426, 112.050.

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, 13.426, 112.050

Protanopia

49, 13.200, 95.098

Deuteranopia

49, 13.118, 61.805



Tritanopia
49, 5.835, 314.938

Trichromacy



Original Color
49, 13.426, 112.050

Protanomaly
49, 13.515, 100.995

Deuteranomaly
49, 12.207, 78.762

Tritanomaly
49, 2.131, 74.721

Monochromacy



Original Color
49, 13.426, 112.050

Achromatopsia
48, 0.006, 296.813

Achromatomaly
49, 4.707, 114.578

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 13.426, 112.050 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, 95)` looks like.

```
.text, #text, p{  
    color:rgb(116, 118, 95)  
}
```

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, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 118, 95) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 13.426, 112.050 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, 95) }
```

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

```
.border{ border-color:rgb(116, 118, 95) }
```

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, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 118, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 118, 95);  
box-shadow:4px 4px 4px 4px rgb(116, 118,  
95) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 13.426, 112.050 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, 95) }
```

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

```
.background{ background-color: rgb(116,  
118, 95) }
```

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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