

Converting Colors

CIELCh(49, 12.299, 109.248)

Have a look what the booklet for
CIELCh(49, 12.299, 109.248)
contains.

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Color

CIELCh(49, 12.244, 110.541)

Conversions

Conversions Part 1

Format	Color
Hex	757661
RGB	117, 118, 97
RGB Percent	46%, 46%, 38%
CMY	0.5413, 0.5373, 0.6197
CMYK	0.01, 0.00, 0.18, 0.54
HSL	63°, 10%, 42%
HSV	63°, 18%, 46%
XYZ	15.9651, 17.5941, 13.8582
YIQ	115.3070, 6.1450, -6.7430

Conversions

Conversions Part 2

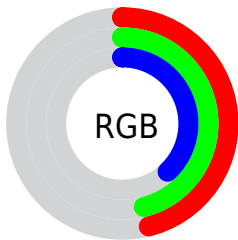
Format	Color
R_{YB}	97, 118, 98
Decimal	7698017
CIE Lab	49.00, -4.30, 11.47
CIE LCh	49, 12.244, 110.541
Yxy	17.5941, 0.3367, 0.3710
Android (android.graphics.Color)	4285888097 (0xFF757661)
YUV	115.3070, -9.0254, 1.4848
Hunter-Lab	41.9453, -5.4641, 9.7729

Details

The CIELCh color $49, 12.244, 110.541$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $42, 12.729, 293.766$, and the grayscale version is $49, 0.006, 296.813$.

A 20% lighter version of the original color is $69, 12.017, 110.829$, and $29, 12.090, 110.116$ is the 20% darker color. If you saturate the color by 10%, you get $49, 19.039, 109.693$, and if you desaturate by 10%, it is $49, 5.377, 111.395$.

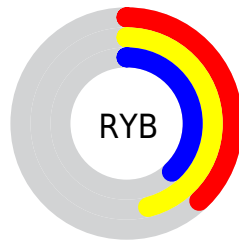
Distribution



Red (46%)

Green (46%)

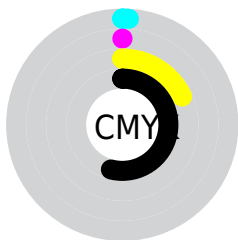
Blue (38%)



Red (38%)

Yellow (46%)

Blue (38%)

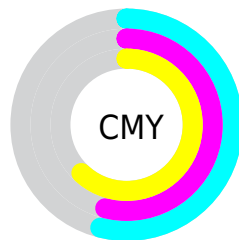


Cyan (1%)

Magenta (0%)

Yellow (18%)

Black (54%)



Cyan (54%)


Magenta (54%)


Yellow (62%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 12.244, 110.541 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, 12.244, 110.541 by changing the saturation by 10% instead.


 49, 12.244,
110.541


 49, 12.244,
110.541


 100, 12.244,
110.541


 39, 12.244,
110.541

 69, 12.244,
110.541


 29, 12.244,
110.541

 79, 12.244,
110.541

 19, 12.244,
110.541

 89, 12.244,
110.541

 9, 12.244, 110.541

 99, 12.244,
110.541

 0, 12.244, 110.541

 49, 12.244,

 49, 12.244,

110.541

110.541

■ 49, 19.039,
109.693

■ 49, 5.377, 111.395

■ 48, 25.697,
108.853

■ 50, 1.526, 292.261

■ 50, 8.436, 293.060

■ 48, 32.127,
108.048

■ 51, 15.333,
293.846

■ 48, 38.189,
107.307

■ 51, 22.202,
294.600

■ 48, 43.685,
106.665

■ 52, 29.035,
295.317

■ 48, 48.346,
106.167

■ 52, 35.821,
295.998

■ 48, 51.875,
105.859

■ 53, 42.554,
296.640

■ 48, 54.367,
105.719

■ 53, 49.229,

■ 48, 54.920,
105.686

297.245

Harmonies

Complementary

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



49, 12.244, 110.541



42, 12.729, 293.766

Rectangle

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



49, 12.244, 110.541



49, 12.244, 160.541



49, 12.244, 290.541



49, 12.244, 340.541

Sweetspot

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



49, 12.245, 110.546



63, 4.263, 111.619



43, 8.747, 23.224



32, 2.891, 111.573



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, 12.245, 110.546



62, 17.849, 110.228



48, 13.184, 129.479



25, 3.861, 111.292



49, 56.387, 105.697



95, 95.615, 105.853

Inverse Universe

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



42, 12.729, 293.766



52, 18.716, 294.185



43, 13.469, 310.978



22, 3.940, 292.869



12, 77.439, 306.517



32, 131.572, 306.384

Previews

White Background



This preview shows how the CIELCh color 49, 12.244, 110.541 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, 12.244, 110.541 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

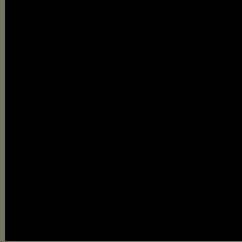
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

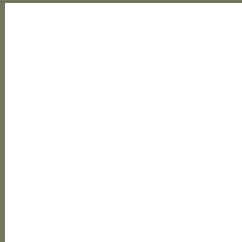
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 49, 12.244, 110.541

Background



This preview shows how black text looks on a background with the CIELCh color 49, 12.244, 110.541.



This preview shows how white text looks on a background with the CIELCh color 49, 12.244, 110.541.

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, 12.244, 110.541

Protanopia

49, 12.067, 94.057

Deuteranopia

49, 12.704, 60.014



Tritanopia
49, 6.012, 318.422

Trichromacy



Original Color
49, 12.244, 110.541

Protanomaly
49, 12.364, 100.505

Deuteranomaly
49, 11.189, 76.068

Tritanomaly
49, 2.120, 35.483

Monochromacy



Original Color
49, 12.244, 110.541

Achromatopsia
48, 0.006, 296.813

Achromatomaly
49, 4.683, 109.541

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 12.244, 110.541 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(117, 118, 97)` looks like.

```
.text, #text, p{  
    color:rgb(117, 118, 97)  
}
```

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(117, 118, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 118, 97) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 12.244, 110.541 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(117, 118, 97) }
```

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

```
.border{ border-color:rgb(117, 118, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 118, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 118, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 118, 97);  
box-shadow:4px 4px 4px 4px rgb(117, 118,  
97) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 12.244, 110.541 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 118, 97) }
```

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

```
.background{ background-color: rgb(117,  
118, 97) }
```

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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