

Converting Colors

CIELCh(49, 14.502, 109.082)

Have a look what the booklet for
CIELCh(49, 14.502, 109.082)
contains.

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Color

CIELCh(49, 14.546, 108.227)

Conversions

Conversions Part 1

Format	Color
Hex	76765D
RGB	118, 118, 93
RGB Percent	46%, 46%, 36%
CMY	0.5373, 0.5373, 0.6353
CMYK	0.00, 0.00, 0.21, 0.54
HSL	60°, 12%, 41%
HSV	60°, 21%, 46%
XYZ	15.9211, 17.5941, 12.9094
YIQ	115.1500, 8.0250, -7.7750

Conversions

Conversions Part 2

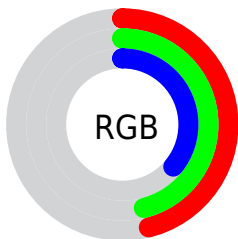
Format	Color
RYB	93, 118, 93
Decimal	7763549
CIELab	49.00, -4.55, 13.82
CIELCh	49, 14.546, 108.227
Yxy	17.5941, 0.3429, 0.3790
Android (android.graphics.Color)	4285953629 (0xFF76765D)
YUV	115.1500, -10.9199, 2.4995
Hunter-Lab	41.9453, -5.6512, 11.1142

Details

The CIELCh color $49, 14.546, 108.227$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $40, 15.242, 292.464$, and the grayscale version is $49, 0.006, 296.813$.

A 20% lighter version of the original color is $69, 14.724, 108.668$, and $29, 14.586, 109.267$ is the 20% darker color. If you saturate the color by 10%, you get $49, 21.299, 107.312$, and if you desaturate by 10%, it is $49, 7.704, 109.153$.

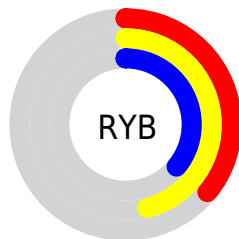
Distribution



Red (46%)

Green (46%)

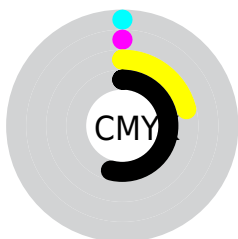
Blue (36%)



Red (36%)

Yellow (46%)

Blue (36%)

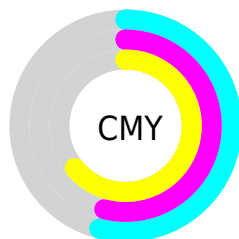


Cyan (0%)

Magenta (0%)

Yellow (21%)

Black (54%)



Cyan (54%)

Magenta (54%)

Yellow (64%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 14.546, 108.227 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, 14.546, 108.227 by changing the saturation by 10% instead.


 49, 14.546,
108.227


 49, 14.546,
108.227


 100, 14.546,
108.227

 39, 14.546,
108.227

 69, 14.546,
108.227

 29, 14.546,
108.227

 79, 14.546,
108.227

 19, 14.546,
108.227

 89, 14.546,
108.227

 9, 14.546, 108.227

 99, 14.546,
108.227

 0, 14.546, 108.227

 49, 14.546,

 49, 14.546,

108.227

■ 49, 21.299,
107.312

■ 49, 27.888,
106.413

■ 48, 34.208,
105.555

■ 48, 40.100,
104.765

■ 48, 45.336,
104.074

■ 48, 49.633,
103.517

■ 48, 52.700,
103.127

■ 48, 54.832,
102.859

108.227

■ 49, 7.704, 109.153

■ 50, 0.815, 110.021

■ 50, 6.089, 290.979

■ 50, 12.986,
291.847

■ 51, 19.862,
292.685

■ 51, 26.707,
293.488

■ 52, 33.510,
294.253

■ 52, 40.267,
294.978

■ 53, 46.970,

Harmonies

Complementary

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



49, 14.546, 108.227



40, 15.242, 292.464

Rectangle

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



49, 14.546, 108.227



49, 14.546, 158.227



49, 14.546, 288.227



49, 14.546, 338.227

Sweetspot

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



49, 14.547, 108.232



63, 5.112, 109.612



42, 10.891, 20.850



32, 3.370, 109.570



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, 14.547, 108.232



62, 21.189, 107.823



48, 15.567, 128.152



25, 3.857, 109.351



50, 56.293, 102.859



95, 95.438, 102.859

Inverse Universe

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



40, 15.242, 292.464



50, 22.444, 293.045



41, 16.003, 310.012



22, 3.936, 291.068



12, 77.729, 306.288



32, 131.782, 306.287

Previews

White Background



This preview shows how the CIELCh color 49, 14.546, 108.227 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, 14.546, 108.227 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

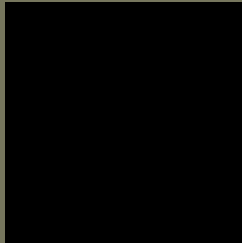
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

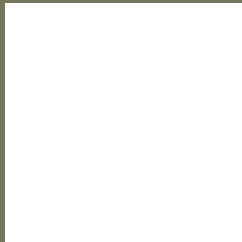
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 49, 14.546, 108.227

Background



This preview shows how black text looks on a background with the CIELCh color 49, 14.546, 108.227.



This preview shows how white text looks on a background with the CIELCh color 49, 14.546, 108.227.

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, 14.546, 108.227

Protanopia

49, 14.439, 94.239

Deuteranopia

49, 14.746, 65.251



Tritanopia
49, 6.209, 321.709

Trichromacy



Original Color
49, 14.546, 108.227

Protanomaly
49, 14.723, 99.688

Deuteranomaly
49, 13.467, 79.347

Tritanomaly
49, 3.021, 55.026

Monochromacy



Original Color
49, 14.546, 108.227

Achromatopsia
48, 0.006, 296.813

Achromatomaly
49, 5.269, 109.463

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 14.546, 108.227 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(118, 118, 93)` looks like.

```
.text, #text, p{  
    color:rgb(118, 118, 93)  
}
```

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(118, 118, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 118, 93) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 14.546, 108.227 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(118, 118, 93) }
```

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

```
.border{ border-color:rgb(118, 118, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 118, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 118, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 118, 93);  
box-shadow:4px 4px 4px 4px rgb(118, 118,  
93) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 14.546, 108.227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 118, 93) }
```

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

```
.background{ background-color: rgb(118,  
118, 93) }
```

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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