

Converting Colors

CIELCh(49, 13.561, 109.158)

Have a look what the booklet for
CIELCh(49, 13.561, 109.158)
contains.

CIELCh(49, 13.390, 108.384)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(49, 13.390, 108.384)

Conversions

Conversions Part 1

Format	Color
Hex	76765F
RGB	118, 118, 95
RGB Percent	46%, 46%, 37%
CMY	0.5377, 0.5377, 0.6279
CMYK	0.00, 0.00, 0.20, 0.54
HSL	60°, 11%, 42%
HSV	60°, 20%, 46%
XYZ	15.9778, 17.5941, 13.3517
YIQ	115.3780, 7.3830, -7.1530

Conversions

Conversions Part 2

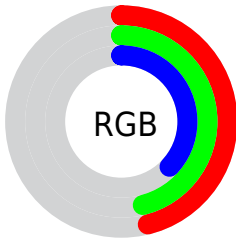
Format	Color
RYB	95, 118, 95
Decimal	7763551
CIELab	49.00, -4.22, 12.71
CIELCh	49, 13.390, 108.384
Yxy	17.5941, 0.3405, 0.3750
Android (android.graphics.Color)	4285953631 (0xFF76765F)
YUV	115.3780, -10.0464, 2.2995
Hunter-Lab	41.9453, -5.4100, 10.4890

Details

The CIELCh color $49, 13.390, 108.384$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $41, 13.976, 292.256$, and the grayscale version is $49, 0.006, 296.813$.

A 20% lighter version of the original color is $69, 13.094, 108.836$, and $29, 13.341, 109.674$ is the 20% darker color. If you saturate the color by 10%, you get $49, 20.157, 107.468$, and if you desaturate by 10%, it is $49, 6.543, 109.309$.

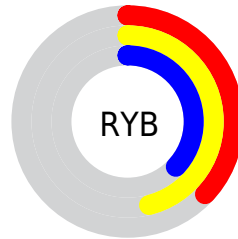
Distribution



Red (46%)

Green (46%)

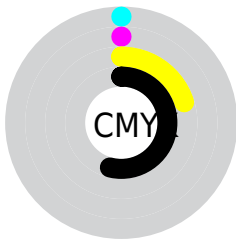
Blue (37%)



Red (37%)

Yellow (46%)

Blue (37%)

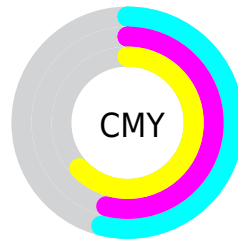


Cyan (0%)

Magenta (0%)

Yellow (20%)

Black (54%)



Cyan (54%)

Magenta (54%)

Yellow (63%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 13.390, 108.384 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, 13.390, 108.384 by changing the saturation by 10% instead.


 49, 13.390,
108.384


 49, 13.390,
108.384


 100, 13.390,
108.384


 39, 13.390,
108.384

 69, 13.390,
108.384

 29, 13.390,
108.384

 79, 13.390,
108.384

 19, 13.390,
108.384

 89, 13.390,
108.384

 9, 13.390, 108.384

 99, 13.390,
108.384

 0, 13.390, 108.384

 49, 13.390,

 49, 13.390,

108.384

■ 49, 20.157,
107.468

■ 49, 26.775,
106.565

■ 48, 33.145,
105.698

■ 48, 39.118,
104.894

■ 48, 44.480,
104.184

■ 48, 48.953,
103.603

■ 48, 52.243,
103.183

■ 48, 54.672,
102.877

108.384

■ 49, 6.543, 109.309

■ 50, 0.345, 290.355

■ 50, 7.243, 291.128

■ 50, 14.133,
291.991

■ 51, 20.999,
292.824

■ 51, 27.832,
293.620

■ 52, 34.623,
294.379

■ 52, 41.366,
295.097

■ 53, 48.054,

■ 48, 54.795,
102.862

295.776

Harmonies

Complementary

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



49, 13.390, 108.384



41, 13.976, 292.256

Rectangle

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



49, 13.390, 108.384



49, 13.390, 158.384



49, 13.390, 288.384



49, 13.390, 338.384

Sweetspot

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



49, 13.391, 108.389



63, 5.112, 109.614



43, 9.957, 20.700



32, 3.370, 109.572



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, 13.391, 108.389



62, 19.514, 108.014



48, 14.322, 128.229



25, 3.857, 109.353



50, 56.293, 102.862



95, 95.438, 102.862

Inverse Universe

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



41, 13.976, 292.256



51, 20.564, 292.773



42, 14.690, 309.930



22, 3.936, 291.070



12, 77.729, 306.288



32, 131.782, 306.288

Previews

White Background



This preview shows how the CIELCh color 49, 13.390, 108.384 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, 13.390, 108.384 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

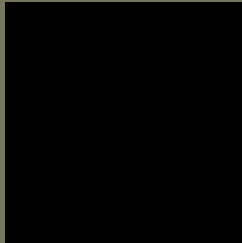
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

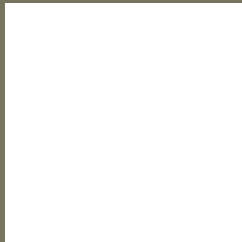
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 49, 13.390, 108.384

Background



This preview shows how black text looks on a background with the CIELCh color 49, 13.390, 108.384.



This preview shows how white text looks on a background with the CIELCh color 49, 13.390, 108.384.

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, 13.390, 108.384

Protanopia

49, 13.200, 95.098

Deuteranopia

49, 13.875, 62.223



Tritanopia
49, 6.209, 321.709

Trichromacy



Original Color
49, 13.390, 108.384

Protanomaly
49, 13.515, 100.995

Deuteranomaly
49, 12.440, 77.013

Tritanomaly
49, 2.351, 49.310

Monochromacy



Original Color
49, 13.390, 108.384

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, 13.390, 108.384 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, 95)` looks like.

```
.text, #text, p{  
    color:rgb(118, 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(118, 118, 95) colored shadow looks like.

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

Border

The CSS property to change the border of an element to CIELCh 49, 13.390, 108.384 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, 95) }
```

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

```
.border{ border-color:rgb(118, 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(118, 118, 95)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to CIELCh 49, 13.390, 108.384 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, 95) }
```

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

```
.background{ background-color: rgb(118,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor