

Converting Colors

CIELCh(49, 13.625, 86.875)

Have a look what the booklet for
CIELCh(49, 13.625, 86.875) contains.

CIELCh(49, 13.371, 85.399)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(49, 13.371, 85.399)

Conversions

Conversions Part 1

Format	Color
Hex	7F735E
RGB	127, 115, 94
RGB Percent	50%, 45%, 37%
CMY	0.5018, 0.5489, 0.6312
CMYK	0.00, 0.09, 0.26, 0.50
HSL	38°, 15%, 43%
HSV	38°, 26%, 50%
XYZ	16.9154, 17.5941, 13.1028
YIQ	116.1940, 13.8930, -3.9870

Conversions

Conversions Part 2

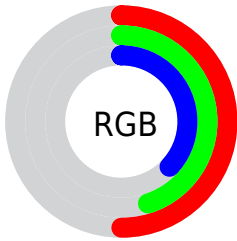
Format	Color
R_{YB}	113, 127, 94
Decimal	8352606
CIE _{Lab}	49.00, 1.07, 13.33
CIE _{LCh}	49, 13.371, 85.399
Yxy	17.5941, 0.3553, 0.3695
Android (android.graphics.Color)	4286542686 (0xFF7F735E)
YUV	116.1940, -10.9416, 9.4769
Hunter-Lab	41.9453, -1.4199, 10.8408

Details

The CIELCh color $49, 13.371, 85.399$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $45, 13.170, 272.386$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $69, 13.626, 86.299$, and $29, 13.158, 85.776$ is the 20% darker color. If you saturate the color by 10%, you get $47, 18.732, 84.106$, and if you desaturate by 10%, it is $51, 8.124, 86.666$.

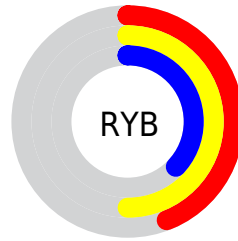
Distribution



Red (50%)

Green (45%)

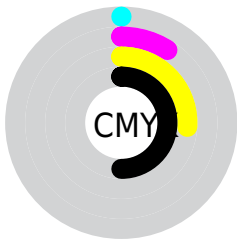
Blue (37%)



Red (44%)

Yellow (50%)

Blue (37%)

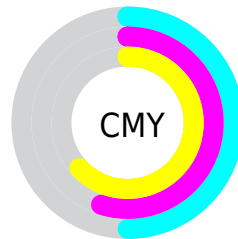


Cyan (0%)

Magenta (9%)

Yellow (26%)

Black (50%)



Cyan (50%)

Magenta (55%)

Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 13.371, 85.399 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, 13.371, 85.399 by changing the saturation by 10% instead.

■ 49, 13.371, 85.399

■ 49, 13.371, 85.399

■ 100, 13.371,
85.399

■ 39, 13.371, 85.399

■ 69, 13.371, 85.399

■ 29, 13.371, 85.399

■ 79, 13.371, 85.399

■ 19, 13.371, 85.399

■ 89, 13.371, 85.399

■ 9, 13.371, 85.399

■ 99, 13.371, 85.399

■ 0, 13.371, 85.399

■ 49, 13.371, 85.399

■ 49, 13.371, 85.399

■ 47, 18.732, 84.106

■ 51, 8.124, 86.666

■ 46, 24.178, 82.767

■ 52, 2.999, 87.855

■ 44, 29.648, 81.386

■ 54, 2.004, 269.199

■ 43, 35.022, 79.941

■ 56, 6.892, 270.274

■ 42, 40.076, 78.389

■ 57, 11.671,
271.356

■ 40, 44.439, 76.633

■ 59, 16.351,
272.397

■ 39, 47.781, 74.592

■ 39, 49.218, 73.857

■ 61, 20.940,
273.390

■ 62, 25.446,
274.335

■ 64, 29.877,
275.232

Harmonies

Complementary

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



49, 13.371, 85.399



45, 13.170, 272.386

Rectangle

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



49, 13.371, 85.399



49, 13.371, 135.399



49, 13.371, 265.399



49, 13.371, 315.399

Sweetspot

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



49, 13.372, 85.406



66, 5.005, 87.604



44, 15.564, 354.053



35, 3.591, 87.448



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



49, 13.372, 85.406



62, 19.967, 84.662



52, 19.016, 113.491



26, 2.849, 87.497



39, 49.347, 73.845



0, 0.000, 0.000

Inverse Universe

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



45, 13.170, 272.386



55, 19.596, 273.430



41, 20.132, 297.686



25, 2.841, 269.821



22, 53.857, 293.569



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 49, 13.371, 85.399 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, 13.371, 85.399 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

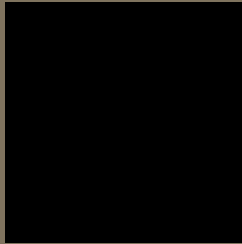
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

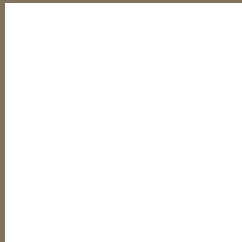
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 49, 13.371, 85.399

Background



This preview shows how black text looks on a background with the CIELCh color 49, 13.371, 85.399.



This preview shows how white text looks on a background with the CIELCh color 49, 13.371, 85.399.

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, 13.371, 85.399

Protanopia

49, 12.633, 94.604

Deuteranopia

49, 14.305, 63.786



Tritanopia
49, 9.366, 346.294

Trichromacy



Original Color
49, 13.371, 85.399

Protanomaly
49, 12.747, 92.695

Deuteranomaly
49, 13.511, 70.641

Tritanomaly
49, 7.123, 24.875

Monochromacy



Original Color
49, 13.371, 85.399

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 4.958, 89.909

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 13.371, 85.399 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(127, 115, 94)` looks like.

```
.text, #text, p{  
    color:rgb(127, 115, 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(127, 115, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 115, 94) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 13.371, 85.399 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(127, 115, 94) }
```

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

```
.border{ border-color:rgb(127, 115, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 115, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 115, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 115, 94);  
box-shadow:4px 4px 4px 4px rgb(127, 115,  
94) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 13.371, 85.399 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 115, 94) }
```

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

```
.background{ background-color: rgb(127,  
115, 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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