

Converting Colors

CIELCh(49, 14.121, 37.580)

Have a look what the booklet for
CIELCh(49, 14.121, 37.580) contains.

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Color

CIELCh(49, 14.121, 37.580)

Conversions

Conversions Part 1

Format	Color
Hex	8C6D66
RGB	140, 109, 102
RGB Percent	55%, 43%, 40%
CMY	0.4494, 0.5711, 0.5985
CMYK	0.00, 0.22, 0.27, 0.45
HSL	11°, 16%, 48%
HSV	11°, 27%, 55%
XYZ	18.8076, 17.5941, 15.0713
YIQ	117.4710, 20.7230, 4.3950

Conversions

Conversions Part 2

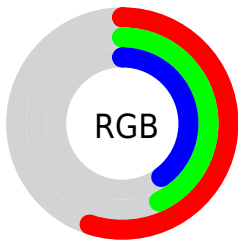
Format	Color
R_{YB}	140, 111, 102
Decimal	9203046
CIE _{Lab}	49.00, 11.19, 8.61
CIE _{LCh}	49, 14.121, 37.580
Yxy	17.5941, 0.3654, 0.3418
Android (android.graphics.Color)	4287393126 (0xFF8C6D66)
YUV	117.4710, -7.6272, 19.7579
Hunter-Lab	41.9453, 6.6323, 8.0583

Details

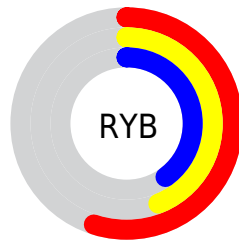
The CIELCh color **49, 14.121, 37.580** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **54, 11.790, 218.585**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **69, 13.938, 38.651**, and **29, 14.282, 37.058** is the 20% darker color. If you saturate the color by 10%, you get **46, 20.134, 37.825**, and if you desaturate by 10%, it is **52, 8.553, 37.494**.

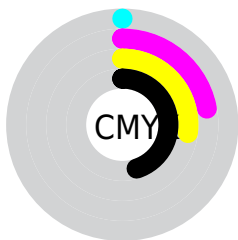
Distribution



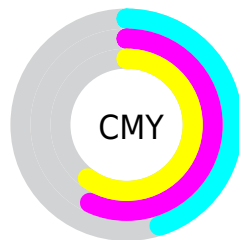
- Red (55%)
- Green (43%)
- Blue (40%)



- Red (55%)
- Yellow (44%)
- Blue (40%)



- Cyan (0%)
- Magenta (22%)
- Yellow (27%)
- Black (45%)



- Cyan (45%)
- Magenta (57%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 14.121, 37.580 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, 14.121, 37.580 by changing the saturation by 10% instead.

■ 49, 14.121, 37.580

■ 49, 14.121, 37.580

■ 100, 14.121,
37.580

■ 39, 14.121, 37.580

■ 69, 14.121, 37.580

■ 29, 14.121, 37.580

■ 79, 14.121, 37.580

■ 19, 14.121, 37.580

■ 89, 14.121, 37.580

■ 9, 14.121, 37.580

■ 99, 14.121, 37.580

■ 0, 14.121, 37.580

■ 49, 14.121, 37.580

■ 49, 14.121, 37.580

■ 46, 20.134, 37.825

■ 52, 8.553, 37.494

■ 43, 26.600, 38.249

■ 56, 3.408, 37.464

40, 33.491, 38.898

59, 1.350, 218.035

37, 40.726, 39.789

63, 5.758, 217.999

34, 48.119, 40.882

67, 9.855, 218.221

32, 55.266, 41.991

70, 13.677,
218.496

31, 61.467, 42.808

74, 17.257,
218.799

30, 63.124, 43.116

77, 20.624,
219.121

81, 23.805,
219.452

Harmonies

Complementary

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



49, 14.121, 37.580



54, 11.790, 218.585

Rectangle

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



49, 14.121, 37.580



49, 14.121, 87.580



49, 14.121, 217.580



49, 14.121, 267.580

Sweetspot

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



49, 14.120, 37.588



71, 4.810, 37.471



48, 23.504, 331.596



37, 3.425, 37.476



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



49, 14.120, 37.588



60, 21.999, 37.726



54, 15.784, 89.101



28, 2.776, 37.475



29, 61.148, 43.024



1, 1.814, 37.667

Inverse Universe

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



54, 11.790, 218.585



68, 17.456, 218.982



48, 15.774, 276.334



29, 2.626, 217.955



43, 27.214, 231.116



1, 1.814, 217.687

Previews

White Background



This preview shows how the CIELCh color 49, 14.121, 37.580 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 CIE LCh color 49, 14.121, 37.580 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

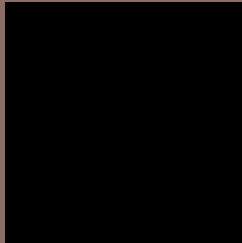
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 49, 14.121, 37.580

Background



This preview shows how black text looks on a background with the CIELCh color 49, 14.121, 37.580.

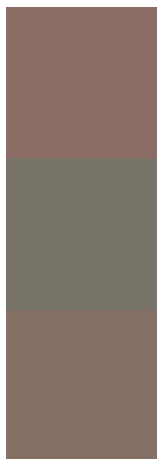


This preview shows how white text looks on a background with the CIELCh color 49, 14.121, 37.580.

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, 14.121, 37.580

Protanopia

49, 6.205, 89.625

Deuteranopia

49, 10.830, 52.723



Tritanopia
49, 15.414, 1.526

Trichromacy



Original Color
49, 14.121, 37.580

Protanomaly
49, 7.957, 61.102

Deuteranomaly
49, 12.085, 46.116

Tritanomaly
49, 14.014, 13.998

Monochromacy



Original Color
49, 14.121, 37.580

Achromatopsia
50, 0.007, 296.813

Achromatomaly
49, 4.883, 40.802

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 14.121, 37.580 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(140, 109, 102)` looks like.

```
.text, #text, p{  
    color:rgb(140, 109, 102)  
}
```

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(140, 109, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 109, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 14.121, 37.580 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(140, 109, 102) }
```

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

```
.border{ border-color:rgb(140, 109, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 109, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 109, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 109, 102);  
box-shadow:4px 4px 4px 4px rgb(140, 109,  
102) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 14.121, 37.580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 109, 102) }
```

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

```
.background{ background-color: rgb(140,  
109, 102) }
```

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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