

Converting Colors

CIELCh(49, 29.817, 21.217)

Have a look what the booklet for
CIELCh(49, 29.817, 21.217) contains.

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Color

CIELCh(49, 29.817, 21.217)

Conversions

Conversions Part 1

Format	Color
Hex	A56163
RGB	165, 97, 99
RGB Percent	65%, 38%, 39%
CMY	0.3510, 0.6178, 0.6101
CMYK	0.00, 0.41, 0.40, 0.35
HSL	358°, 28%, 52%
HSV	358°, 41%, 65%
XYZ	22.2099, 17.5941, 14.1390
YIQ	117.5600, 39.8860, 15.0380

Conversions

Conversions Part 2

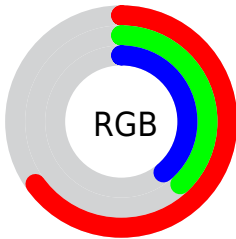
Format	Color
R_{YB}	165, 97, 99
Decimal	10838371
CIE Lab	49.00, 27.80, 10.79
CIE LCh	49, 29.817, 21.217
Yxy	17.5941, 0.4117, 0.3262
Android (android.graphics.Color)	4289028451 (0xFFA56163)
YUV	117.5600, -9.1501, 41.6049
Hunter-Lab	41.9453, 21.1110, 9.3762

Details

The CIELCh color **49, 29.817, 21.217** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **64, 22.742, 194.652**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **69, 29.635, 21.256**, and **29, 29.423, 20.931** is the 20% darker color. If you saturate the color by 10%, you get **45, 38.099, 23.097**, and if you desaturate by 10%, it is **53, 21.848, 19.763**.

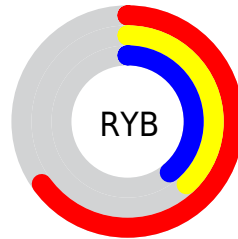
Distribution



Red (65%)

Green (38%)

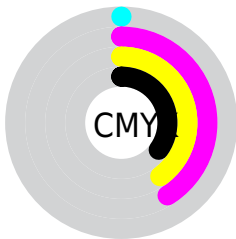
Blue (39%)



Red (65%)

Yellow (38%)

Blue (39%)

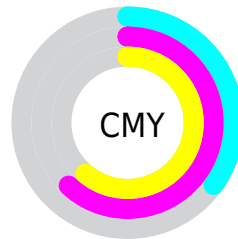


Cyan (0%)

Magenta (41%)

Yellow (40%)

Black (35%)



Cyan (35%)

Magenta (62%)

Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 29.817, 21.217 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, 29.817, 21.217 by changing the saturation by 10% instead.

■ 49, 29.817, 21.217

■ 49, 29.817, 21.217

■ 100, 29.817,
21.217

■ 39, 29.817, 21.217

■ 69, 29.817, 21.217

■ 29, 29.817, 21.217

■ 79, 29.817, 21.217

■ 19, 29.817, 21.217

■ 89, 29.817, 21.217

■ 9, 29.817, 21.217

■ 99, 29.817, 21.217

■ 0, 29.817, 21.217

■ 49, 29.817, 21.217

■ 49, 29.817, 21.217

■ 45, 38.099, 23.097

■ 53, 21.848, 19.763

■ 41, 46.510, 25.502

■ 58, 14.314, 18.620

39, 54.789, 28.521

63, 7.264, 17.697

36, 62.612, 32.114

67, 0.705, 16.378

35, 69.469, 35.906

72, 5.388, 196.570

34, 74.275, 38.631

77, 11.050,
196.057

82, 16.325,
195.656

87, 21.256,
195.324

92, 25.884,
195.045

Harmonies

Complementary

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



49, 29.817, 21.217



64, 22.742, 194.652

Rectangle

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



49, 29.817, 21.217



49, 29.817, 71.217



49, 29.817, 201.217



49, 29.817, 251.217

Sweetspot

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



49, 29.815, 21.221



79, 9.712, 17.791



51, 45.436, 325.614



41, 6.460, 17.897



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



49, 29.815, 21.221



59, 44.915, 22.839



57, 24.507, 66.942



32, 3.629, 17.539



30, 67.045, 38.099



1, 5.470, 17.205

Inverse Universe

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



49, 29.815, 21.221



59, 44.915, 22.839



54, 21.292, 258.569



32, 3.629, 17.539



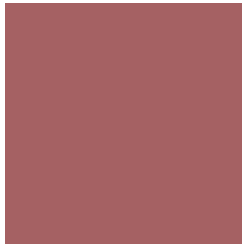
30, 67.045, 38.099



1, 5.470, 17.205

Previews

White Background



This preview shows how the CIELCh color 49, 29.817, 21.217 looks on a white background.

Color Contrast Check

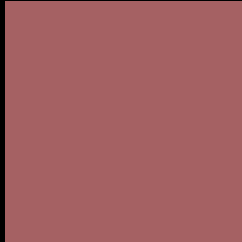
Large Text (above 18pt) WCAG AA ✓ Pass

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, 29.817, 21.217 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, 29.817, 21.217

Background



This preview shows how black text looks on a background with the CIELCh color 49, 29.817, 21.217.

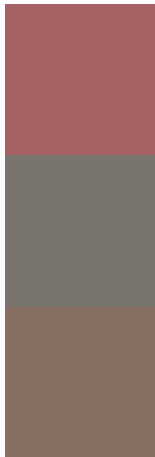


This preview shows how white text looks on a background with the CIELCh color 49, 29.817, 21.217.

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, 29.817, 21.217

Protanopia

49, 4.581, 82.630

Deuteranopia

49, 13.457, 60.556



Tritanopia
49, 29.939, 15.856

Trichromacy



Original Color
49, 29.817, 21.217

Protanomaly
49, 12.115, 29.047

Deuteranomaly
49, 18.090, 38.019

Tritanomaly
49, 30.030, 18.052

Monochromacy



Original Color
49, 29.817, 21.217

Achromatopsia
50, 0.007, 296.813

Achromatomaly
49, 10.084, 20.571

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 29.817, 21.217 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(165, 97, 99)` looks like.

```
.text, #text, p{  
    color:rgb(165, 97, 99)  
}
```

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(165, 97, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 97, 99) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 29.817, 21.217 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(165, 97, 99) }
```

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

```
.border{ border-color:rgb(165, 97, 99) }
```

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

Here you see how a box with a 4 pixel rgb(165, 97, 99) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 97, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 97, 99);  
box-shadow:4px 4px 4px 4px rgb(165, 97,  
99) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 29.817, 21.217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 97, 99) }
```

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

```
.background{ background-color: rgb(165, 97,  
99) }
```

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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