

Converting Colors

CIELCh(49, 10.031, 316.735)

Have a look what the booklet for
CIELCh(49, 10.031, 316.735)
contains.

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Color

CIELCh(49, 9.868, 317.242)

Conversions

Conversions Part 1

Format	Color
Hex	7C7180
RGB	124, 113, 128
RGB Percent	49%, 44%, 50%
CMY	0.5145, 0.5576, 0.4988
CMYK	0.03, 0.12, 0.00, 0.50
HSL	284°, 6%, 47%
HSV	284°, 12%, 50%
XYZ	18.0538, 17.5941, 22.8020
YIQ	117.9990, 1.7410, 6.9970

Conversions

Conversions Part 2

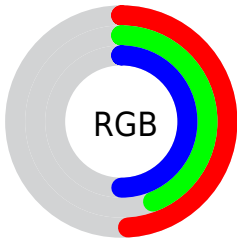
Format	Color
R_{YB}	124, 113, 128
Decimal	8155520
CIE Lab	49.00, 7.25, -6.70
CIE LCh	49, 9.868, 317.242
Yxy	17.5941, 0.3089, 0.3010
Android (android.graphics.Color)	4286345600 (0xFF7C7180)
YUV	117.9990, 4.9305, 5.2629
Hunter-Lab	41.9453, 3.4246, -2.8691

Details

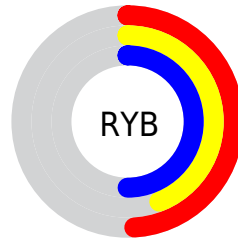
The CIELCh color $49, 9.868, 317.242$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $52, 9.787, 136.292$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $69, 9.899, 317.648$, and $29, 10.020, 316.855$ is the 20% darker color. If you saturate the color by 10%, you get $45, 18.430, 317.666$, and if you desaturate by 10%, it is $53, 1.446, 316.753$.

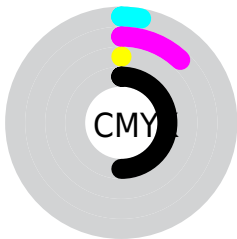
Distribution



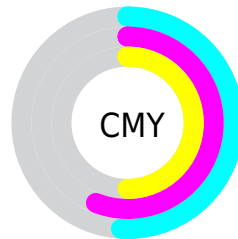
- Red (49%)
- Green (44%)
- Blue (50%)



- Red (49%)
- Yellow (44%)
- Blue (50%)



- Cyan (3%)
- Magenta (12%)
- Yellow (0%)
- Black (50%)



- Cyan (51%)
- Magenta (56%)
- Yellow (50%)
- Black (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 9.868, 317.242 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, 9.868, 317.242 by changing the saturation by 10% instead.

■ 49, 9.868, 317.242

■ 49, 9.868, 317.242

■ 100, 9.868,
317.242

■ 39, 9.868, 317.242

■ 69, 9.868, 317.242

■ 29, 9.868, 317.242

■ 79, 9.868, 317.242

■ 19, 9.868, 317.242

■ 89, 9.868, 317.242

■ 9, 9.868, 317.242

■ 99, 9.868, 317.242

■ 0, 9.868, 317.242

■ 49, 9.868, 317.242

■ 49, 9.868, 317.242

■ 45, 18.430,
317.666

■ 53, 1.446, 316.753

■ 42, 27.060,

■ 57, 6.785, 136.479

318.087

61, 14.804,
136.105

38, 35.631,
318.487

65, 22.601,
135.764

35, 43.958,
318.841

68, 30.175,
135.453

31, 51.773,
319.116

72, 37.529,
135.170

29, 58.732,
319.266

76, 44.673,
134.914

26, 64.439,
319.242

80, 51.616,
134.682

25, 68.535,
318.990

84, 58.367,
134.475

23, 71.231,
318.704

Harmonies

Complementary

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



49, 9.868, 317.242



52, 9.787, 136.292

Rectangle

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



49, 9.868, 317.242



49, 9.868, 7.242



49, 9.868, 137.242



49, 9.868, 187.242

Sweetspot

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



49, 9.866, 317.241



66, 4.132, 316.902



49, 6.483, 276.390



34, 2.961, 316.935



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, 9.866, 317.241



61, 14.597, 317.352



49, 9.167, 331.806



25, 4.719, 317.128



23, 71.104, 318.706



0, 0.000, 0.000

Inverse Universe

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



49, 6.580, 359.344



61, 9.765, 359.619



52, 9.135, 150.390



25, 3.137, 359.068



26, 52.731, 22.076



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 49, 9.868, 317.242 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, 9.868, 317.242 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

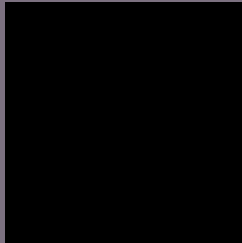
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 9.868, 317.242

Background



This preview shows how black text looks on a background with the CIELCh color 49, 9.868, 317.242.



This preview shows how white text looks on a background with the CIELCh color 49, 9.868, 317.242.

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, 9.868, 317.242

Protanopia

49, 8.225, 288.586

Deuteranopia

49, 9.701, 315.126



Tritanopia
49, 6.425, 324.797

Trichromacy



Original Color

49, 9.868, 317.242

Protanomaly

49, 8.332, 299.271

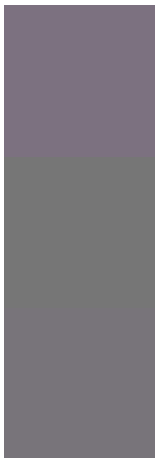
Deuteranomaly

49, 9.701, 315.126

Tritanomaly

49, 7.419, 319.709

Monochromacy



Original Color

49, 9.868, 317.242

Achromatopsia

50, 0.007, 296.813

Achromatomaly

49, 3.887, 314.832

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 9.868, 317.242 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(124, 113, 128)` looks like.

```
.text, #text, p{  
    color:rgb(124, 113, 128)  
}
```

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(124, 113, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 113, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 9.868, 317.242 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(124, 113, 128) }
```

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

```
.border{ border-color:rgb(124, 113, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 113, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 113, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 113, 128);  
box-shadow:4px 4px 4px 4px rgb(124, 113,  
128) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 9.868, 317.242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 113, 128) }
```

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

```
.background{ background-color: rgb(124,  
113, 128) }
```

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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