

Converting Colors

CIELCh(49, 4.362, 206.158)

Have a look what the booklet for
CIELCh(49, 4.362, 206.158) contains.

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Color

CIELCh(49, 4.328, 199.011)

Conversions

Conversions Part 1

Format	Color
Hex	6C7777
RGB	108, 119, 119
RGB Percent	42%, 47%, 47%
CMY	0.5779, 0.5348, 0.5348
CMYK	0.09, 0.00, 0.00, 0.53
HSL	180°, 5%, 44%
HSV	180°, 9%, 47%
XYZ	16.0006, 17.5941, 19.8891
YIQ	115.7110, -6.5560, -2.3320

Conversions

Conversions Part 2

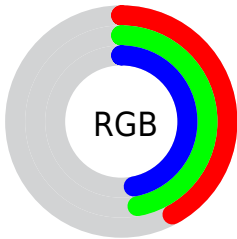
Format	Color
R _Y B	108, 114, 119
Decimal	7108471
CIE Lab	49.00, -4.09, -1.41
CIE LCh	49, 4.328, 199.011
Yxy	17.5941, 0.2992, 0.3290
Android (android.graphics.Color)	4285298551 (0xFF6C7777)
YUV	115.7110, 1.6215, -6.7625
Hunter-Lab	41.9453, -5.3131, 1.2483

Details

The CIELCh color **49, 4.328, 199.011** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **46, 4.576, 19.869**, and the grayscale version is **49, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 4.441, 199.136**, and **29, 4.262, 198.791** is the 20% darker color. If you saturate the color by 10%, you get **48, 8.762, 198.465**, and if you desaturate by 10%, it is **50, 0.350, 18.356**.

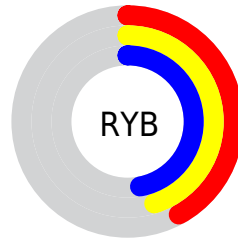
Distribution



Red (42%)

Green (47%)

Blue (47%)



Red (42%)

Yellow (45%)

Blue (47%)

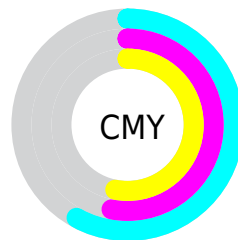


Cyan (9%)

Magenta (0%)

Yellow (0%)

Black (53%)



Cyan (58%)

Magenta (53%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 4.328, 199.011 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, 4.328, 199.011 by changing the saturation by 10% instead.

■ 49, 4.328, 199.011 ■ 49, 4.328, 199.011

■ 100, 4.328,
199.011 ■ 39, 4.328, 199.011

■ 69, 4.328, 199.011 ■ 29, 4.328, 199.011

■ 79, 4.328, 199.011 ■ 19, 4.328, 199.011

■ 89, 4.328, 199.011 ■ 9, 4.328, 199.011

■ 99, 4.328, 199.011 ■ 0, 4.328, 199.011

■ 49, 4.328, 199.011 ■ 49, 4.328, 199.011

■ 48, 8.762, 198.465 ■ 50, 0.350, 18.356

■ 47, 12.882,
198.005 ■ 51, 5.212, 19.909

47, 16.618,
197.599

52, 10.204, 20.515

46, 19.903,
197.250

53, 15.278, 21.112

55, 20.397, 21.713

46, 22.680,
196.959

56, 25.532, 22.315

45, 24.907,
196.729

58, 30.659, 22.915

59, 35.761, 23.510

45, 26.566,
196.558

61, 40.824, 24.097

45, 27.672,
196.444

45, 28.415,
196.368

Harmonies

Complementary

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



49, 4.328, 199.011



46, 4.576, 19.869

Rectangle

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



49, 4.328, 199.011



49, 4.328, 249.011



49, 4.328, 19.011



49, 4.328, 69.011

Sweetspot

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



49, 4.329, 198.996



63, 1.749, 199.488



49, 7.853, 143.515



32, 1.316, 199.403



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, 4.329, 198.996



62, 6.297, 198.881



47, 3.818, 254.784



24, 2.606, 199.011



46, 29.114, 196.362



89, 49.360, 196.361

Inverse Universe

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



46, 4.576, 19.869



58, 6.739, 20.021



48, 3.905, 72.472



23, 2.750, 19.851



24, 59.037, 37.982



52, 102.980, 39.995

Previews

White Background



This preview shows how the CIE LCh color 49, 4.328, 199.011 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, 4.328, 199.011 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

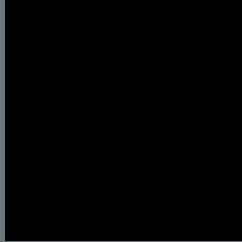
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

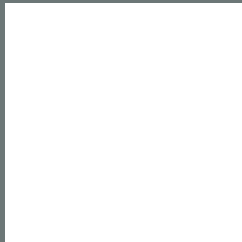
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 49, 4.328, 199.011

Background



This preview shows how black text looks on a background with the CIELCh color 49, 4.328, 199.011.



This preview shows how white text looks on a background with the CIELCh color 49, 4.328, 199.011.

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

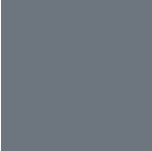
49, 4.328, 199.011

Protanopia

49, 1.008, 343.509

Deuteranopia

49, 6.696, 342.392



Tritanopia
49, 6.562, 263.100

Trichromacy



Original Color
49, 4.328, 199.011

Protanomaly
49, 1.327, 225.838

Deuteranomaly
49, 3.368, 318.943

Tritanomaly
49, 4.900, 245.274

Monochromacy



Original Color
49, 4.328, 199.011

Achromatopsia
48, 0.006, 296.813

Achromatomaly
49, 1.602, 199.455

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 4.328, 199.011 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(108, 119, 119)` looks like.

```
.text, #text, p{  
    color:rgb(108, 119, 119)  
}
```

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(108, 119, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 119, 119) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 4.328, 199.011 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(108, 119, 119) }
```

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

```
.border{ border-color:rgb(108, 119, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 119, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 119, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 119, 119);  
box-shadow:4px 4px 4px 4px rgb(108, 119,  
119) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 4.328, 199.011 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 119, 119) }
```

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

```
.background{ background-color: rgb(108,  
119, 119) }
```

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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