

Converting Colors

CIELCh(49, 4.131, 213.226)

Have a look what the booklet for
CIELCh(49, 4.131, 213.226) contains.

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Color

CIELCh(49, 4.070, 215.898)

Conversions

Conversions Part 1

Format	Color
Hex	6C7678
RGB	108, 118, 120
RGB Percent	42%, 46%, 47%
CMY	0.5754, 0.5361, 0.5283
CMYK	0.10, 0.02, 0.00, 0.53
HSL	190°, 5%, 45%
HSV	190°, 10%, 47%
XYZ	16.1392, 17.5941, 20.4070
YIQ	115.2380, -6.6020, -1.4980

Conversions

Conversions Part 2

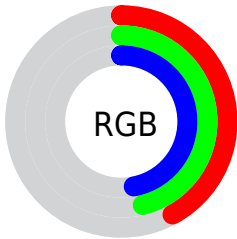
Format	Color
R_{YB}	108, 113, 120
Decimal	7108216
CIE _{Lab}	49.00, -3.30, -2.39
CIE _{LCh}	49, 4.070, 215.898
Yxy	17.5941, 0.2981, 0.3250
Android (android.graphics.Color)	4285298296 (0xFF6C7678)
YUV	115.2380, 2.3477, -6.3477
Hunter-Lab	41.9453, -4.7232, 0.5163

Details

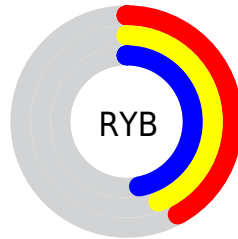
The CIELCh color $49, 4.070, 215.898$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $47, 4.325, 35.552$, and the grayscale version is $49, 0.006, 296.813$.

A 20% lighter version of the original color is $69, 4.187, 214.427$, and $29, 3.995, 217.763$ is the 20% darker color. If you saturate the color by 10%, you get $48, 7.929, 216.072$, and if you desaturate by 10%, it is $51, 0.010, 352.693$.

Distribution



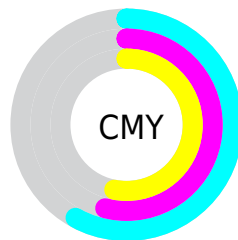
- Red (42%)
- Green (46%)
- Blue (47%)



- Red (42%)
- Yellow (44%)
- Blue (47%)



- Cyan (10%)
- Magenta (2%)
- Yellow (0%)
- Black (53%)



- Cyan (58%)
- Magenta (54%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 4.070, 215.898 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, 4.070, 215.898 by changing the saturation by 10% instead.

■ 49, 4.070, 215.898	■ 49, 4.070, 215.898
■ 100, 4.070, 215.898	■ 39, 4.070, 215.898
■ 69, 4.070, 215.898	■ 29, 4.070, 215.898
■ 79, 4.070, 215.898	■ 19, 4.070, 215.898
■ 89, 4.070, 215.898	■ 9, 4.070, 215.898
■ 99, 4.070, 215.898	■ 0, 4.070, 215.898

■ 49, 4.070, 215.898	■ 49, 4.070, 215.898
■ 48, 7.929, 216.072	■ 51, 0.010, 352.693
■ 46, 11.514, 216.441	■ 52, 4.254, 35.543

45, 14.765,
217.000

54, 8.630, 35.626

44, 17.625,
217.790

56, 13.098, 35.732

57, 17.630, 35.871

42, 20.037,
218.860

59, 22.202, 36.036

41, 21.963,
220.270

61, 26.797, 36.222

63, 31.398, 36.421

40, 23.384,
222.083

65, 35.995, 36.629

40, 24.316,
224.360

39, 24.977,
226.919

Harmonies

Complementary

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



49, 4.070, 215.898



47, 4.325, 35.552

Rectangle

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



49, 4.070, 215.898



49, 4.070, 265.898



49, 4.070, 35.898



49, 4.070, 85.898

Sweetspot

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



49, 4.070, 215.880



64, 1.535, 215.989



49, 7.751, 148.269



33, 1.171, 215.941



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



49, 4.070, 215.880



62, 6.005, 215.907



47, 4.868, 271.059



25, 2.335, 215.874



40, 25.668, 227.060



78, 43.221, 228.946

Inverse Universe

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



47, 7.680, 329.935



59, 11.412, 330.076



49, 4.878, 88.545



24, 4.394, 329.880



28, 60.080, 335.878



58, 100.472, 336.369

Previews

White Background



This preview shows how the CIELCh color 49, 4.070, 215.898 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, 4.070, 215.898 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

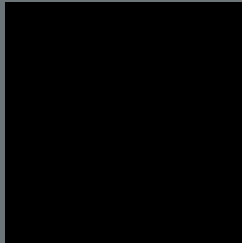
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

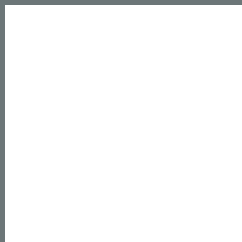
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 49, 4.070, 215.898

Background



This preview shows how black text looks on a background with the CIELCh color 49, 4.070, 215.898.



This preview shows how white text looks on a background with the CIELCh color 49, 4.070, 215.898.

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

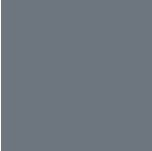
49, 4.070, 215.898

Protanopia

49, 1.950, 314.708

Deuteranopia

49, 6.768, 336.278



Tritanopia
49, 6.562, 263.100

Trichromacy



Original Color
49, 4.070, 215.898

Protanomaly
49, 1.663, 244.498

Deuteranomaly
49, 3.893, 314.833

Tritanomaly
49, 5.565, 257.099

Monochromacy



Original Color
49, 4.070, 215.898

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 1.691, 219.794

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 4.070, 215.898 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, 118, 120)` looks like.

```
.text, #text, p{  
    color:rgb(108, 118, 120)  
}
```

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, 118, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 118, 120) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 4.070, 215.898 is called "border". The border property can be set on classes, ids or directly on the HTML element.

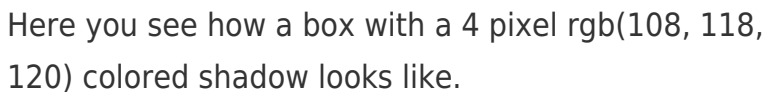
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(108, 118, 120) }
```

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

```
.border{ border-color:rgb(108, 118, 120) }
```

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



Here you see how a box with a 4 pixel `rgb(108, 118, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 118, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 118, 120);  
box-shadow:4px 4px 4px 4px rgb(108, 118,  
120) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 4.070, 215.898 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 118, 120) }
```

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

```
.background{ background-color: rgb(108,  
118, 120) }
```

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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