

Converting Colors

CIELCh(49, 7.967, 130.238)

Have a look what the booklet for
CIELCh(49, 7.967, 130.238) contains.

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Color

CIELCh(49, 8.150, 129.962)

Conversions

Conversions Part 1

Format	Color
Hex	70776A
RGB	112, 119, 106
RGB Percent	44%, 47%, 42%
CMY	0.5618, 0.5344, 0.5853
CMYK	0.06, 0.00, 0.11, 0.53
HSL	92°, 6%, 44%
HSV	92°, 11%, 47%
XYZ	15.8027, 17.5941, 16.1288
YIQ	115.4250, 0.0010, -5.5270

Conversions

Conversions Part 2

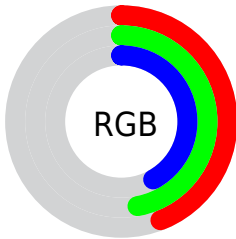
Format	Color
RYB	106, 119, 113
Decimal	7370602
CIELab	49.00, -5.23, 6.25
CIELCh	49, 8.150, 129.962
Yxy	17.5941, 0.3191, 0.3553
Android (android.graphics.Color)	4285560682 (0xFF70776A)
YUV	115.4250, -4.6465, -3.0037
Hunter-Lab	41.9453, -6.1550, 6.5636

Details

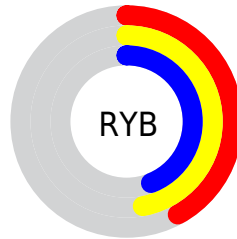
The CIELCh color $49, 8.150, 129.962$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $46, 8.263, 310.848$, and the grayscale version is $49, 0.006, 296.813$.

A 20% lighter version of the original color is $69, 8.137, 128.727$, and $29, 8.331, 131.282$ is the 20% darker color. If you saturate the color by 10%, you get $48, 15.617, 129.518$, and if you desaturate by 10%, it is $50, 0.696, 130.496$.

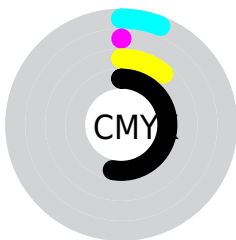
Distribution



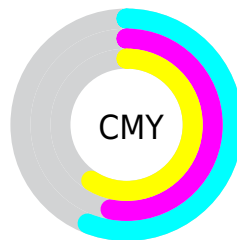
- Red (44%)
- Green (47%)
- Blue (42%)



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



- Cyan (6%)
- Magenta (0%)
- Yellow (11%)
- Black (53%)



- Cyan (56%)
- Magenta (53%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 8.150, 129.962 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, 8.150, 129.962 by changing the saturation by 10% instead.

■ 49, 8.150, 129.962

■ 49, 8.150, 129.962

■ 100, 8.150,
129.962

■ 39, 8.150, 129.962

■ 69, 8.150, 129.962

■ 29, 8.150, 129.962

■ 79, 8.150, 129.962

■ 19, 8.150, 129.962

■ 89, 8.150, 129.962

■ 9, 8.150, 129.962

■ 99, 8.150, 129.962

■ 0, 8.150, 129.962

■ 49, 8.150, 129.962

■ 49, 8.150, 129.962

■ 48, 15.617,
129.518

■ 50, 0.696, 130.496

■ 47, 23.038,

■ 51, 6.709, 310.734

129.056

52, 14.034,
311.087

47, 30.335,
128.595

53, 21.260,
311.400

46, 37.398,
128.166

54, 28.371,
311.680

46, 44.071,
127.819

55, 35.359,
311.928

45, 50.139,
127.630

56, 42.218,
312.149

45, 55.327,
127.699

57, 48.944,
312.344

44, 59.345,
128.139

58, 55.537,
312.516

44, 62.367,
128.635

Harmonies

Complementary

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



49, 8.150, 129.962



46, 8.263, 310.848

Rectangle

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



49, 8.150, 129.962



49, 8.150, 179.962



49, 8.150, 309.962



49, 8.150, 359.962

Sweetspot

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



49, 8.151, 129.965



64, 2.776, 130.321



48, 4.790, 77.591



33, 2.122, 130.285



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, 8.151, 129.965



63, 12.084, 129.860



49, 9.132, 144.736



24, 4.148, 130.049



45, 63.772, 128.687



88, 109.094, 129.563

Inverse Universe

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



46, 8.263, 310.848



58, 12.280, 310.954



46, 9.145, 325.902



23, 4.196, 310.763



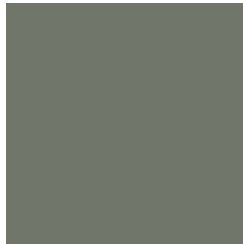
18, 71.637, 313.211



41, 122.098, 312.600

Previews

White Background



This preview shows how the CIELCh color 49, 8.150, 129.962 looks on a white background.

Color Contrast Check

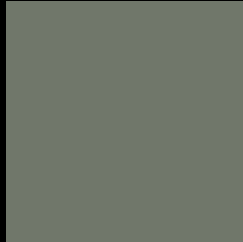
Large Text (above 18pt) WCAG AA ✓ Pass

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, 8.150, 129.962 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

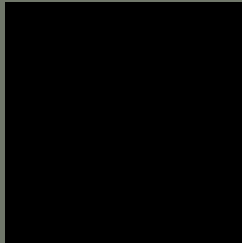
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

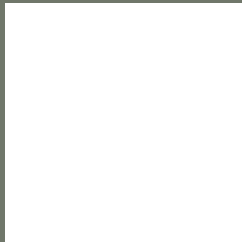
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 49, 8.150, 129.962

Background



This preview shows how black text looks on a background with the CIELCh color 49, 8.150, 129.962.



This preview shows how white text looks on a background with the CIELCh color 49, 8.150, 129.962.

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, 8.150, 129.962

Protanopia

49, 7.321, 92.475

Deuteranopia

49, 8.582, 40.067



Tritanopia
49, 5.297, 286.655

Trichromacy



Original Color

49, 8.150, 129.962

Protanomaly

49, 7.021, 105.815

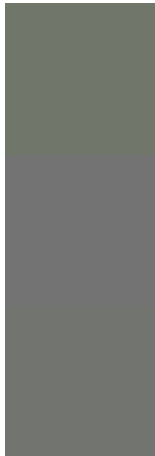
Deuteranomaly

49, 5.868, 63.886

Tritanomaly

49, 1.327, 225.838

Monochromacy



Original Color

49, 8.150, 129.962

Achromatopsia

48, 0.006, 296.813

Achromatomaly

49, 2.488, 128.959

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 8.150, 129.962 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(112, 119, 106)` looks like.

```
.text, #text, p{  
    color:rgb(112, 119, 106)  
}
```

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(112, 119, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 119, 106) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 8.150, 129.962 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(112, 119, 106) }
```

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

```
.border{ border-color:rgb(112, 119, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 119, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 119, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 119, 106);  
box-shadow:4px 4px 4px 4px rgb(112, 119,  
106) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 8.150, 129.962 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 119, 106) }
```

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

```
.background{ background-color: rgb(112,  
119, 106) }
```

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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