

Converting Colors

CIELCh(49, 6.343, 131.602)

Have a look what the booklet for
CIELCh(49, 6.343, 131.602) contains.

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Color

CIELCh(49, 6.372, 132.161)

Conversions

Conversions Part 1

Format	Color
Hex	70766C
RGB	112, 118, 108
RGB Percent	44%, 46%, 42%
CMY	0.5595, 0.5359, 0.5752
CMYK	0.05, 0.00, 0.08, 0.54
HSL	96°, 4%, 44%
HSV	96°, 8%, 46%
XYZ	15.9684, 17.5941, 16.8354
YIQ	115.0660, -0.3660, -4.3820

Conversions

Conversions Part 2

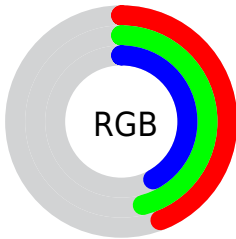
Format	Color
R_{YB}	108, 118, 114
Decimal	7370348
CIE _{Lab}	49.00, -4.28, 4.72
CIE _{LCh}	49, 6.372, 132.161
Yxy	17.5941, 0.3168, 0.3491
Android (android.graphics.Color)	4285560428 (0xFF70766C)
YUV	115.0660, -3.4835, -2.6889
Hunter-Lab	41.9453, -5.4499, 5.5647

Details

The CIELCh color $49, 6.372, 132.161$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $47, 6.436, 312.806$, and the grayscale version is $49, 0.006, 296.813$.

A 20% lighter version of the original color is $69, 6.465, 130.389$, and $29, 6.400, 134.193$ is the 20% darker color. If you saturate the color by 10%, you get $48, 13.946, 131.724$, and if you desaturate by 10%, it is $50, 1.166, 312.457$.

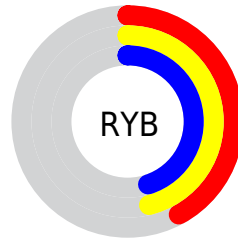
Distribution



Red (44%)

Green (46%)

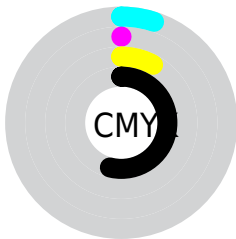
Blue (42%)



Red (42%)

Yellow (46%)

Blue (45%)

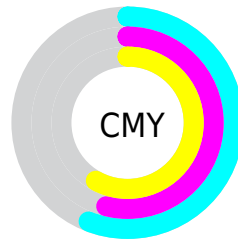


Cyan (5%)

Magenta (0%)

Yellow (8%)

Black (54%)



Cyan (56%)

Magenta (54%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 6.372, 132.161 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, 6.372, 132.161 by changing the saturation by 10% instead.

■ 49, 6.372, 132.161

■ 49, 6.372, 132.161

■ 100, 6.372,
132.161

■ 39, 6.372, 132.161

■ 69, 6.372, 132.161

■ 29, 6.372, 132.161

■ 79, 6.372, 132.161

■ 19, 6.372, 132.161

■ 89, 6.372, 132.161

■ 9, 6.372, 132.161

■ 99, 6.372, 132.161

■ 0, 6.372, 132.161

■ 49, 6.372, 132.161

■ 49, 6.372, 132.161

■ 48, 13.946,
131.724

■ 50, 1.166, 312.457

■ 47, 21.496,

■ 51, 8.634, 312.891

131.261

52, 16.003,
313.218

47, 28.950,
130.786

53, 23.252,
313.505

46, 36.200,
130.322

54, 30.370,
313.758

45, 43.101,
129.915

55, 37.348,
313.980

45, 49.448,
129.631

57, 44.181,
314.174

44, 54.977,
129.565

58, 50.870,
314.344

44, 59.390,
129.832

59, 57.413,
314.492

44, 62.824,
130.321

Harmonies

Complementary

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



49, 6.372, 132.161



47, 6.436, 312.806

Rectangle

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



49, 6.372, 132.161



49, 6.372, 182.161



49, 6.372, 312.161



49, 6.372, 2.161

Sweetspot

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



49, 6.373, 132.164



63, 2.780, 132.411



48, 3.883, 84.353



32, 2.097, 132.374



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, 6.373, 132.164



62, 9.307, 132.087



49, 6.706, 146.813



24, 4.212, 132.140



45, 64.942, 130.423



87, 111.116, 131.251

Inverse Universe

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



47, 6.436, 312.806



59, 9.412, 312.882



47, 6.721, 327.708



23, 4.255, 312.830



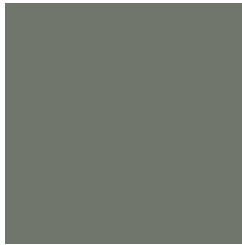
19, 70.746, 314.795



43, 120.478, 314.207

Previews

White Background



This preview shows how the CIELCh color 49, 6.372, 132.161 looks on a white background.

Color Contrast Check

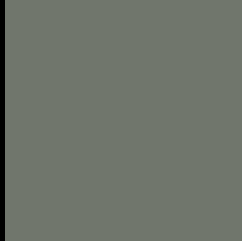
Large Text (above 18pt) WCAG AA ✓ Pass

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, 6.372, 132.161 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

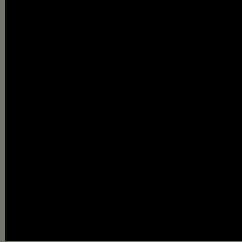
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 6.372, 132.161

Background



This preview shows how black text looks on a background with the CIELCh color 49, 6.372, 132.161.

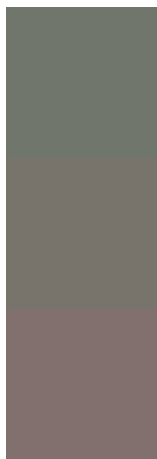


This preview shows how white text looks on a background with the CIELCh color 49, 6.372, 132.161.

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, 6.372, 132.161

Protanopia

49, 5.655, 87.756

Deuteranopia

49, 7.641, 28.995



Tritanopia
49, 5.297, 286.655

Trichromacy



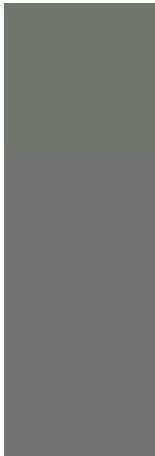
Original Color
49, 6.372, 132.161

Protanomaly
49, 5.856, 105.314

Deuteranomaly
49, 5.095, 54.724

Tritanomaly
49, 1.663, 244.498

Monochromacy



Original Color
49, 6.372, 132.161

Achromatopsia
48, 0.006, 296.813

Achromatomaly
49, 1.943, 134.628

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 6.372, 132.161 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, 118, 108)` looks like.

```
.text, #text, p{  
    color:rgb(112, 118, 108)  
}
```

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, 118, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 118, 108) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 6.372, 132.161 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, 118, 108) }
```

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

```
.border{ border-color:rgb(112, 118, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 118, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 118, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 118, 108);  
box-shadow:4px 4px 4px 4px rgb(112, 118,  
108) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 6.372, 132.161 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 118, 108) }
```

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

```
.background{ background-color: rgb(112,  
118, 108) }
```

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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