

Converting Colors

CIE LCh(49, 10.103, 152.107)

Have a look what the booklet for
CIELCh(49, 10.103, 152.107)
contains.

CIELCh(49, 10.328, 150.892)	3
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Color

CIELCh(49, 10.328, 150.892)

Conversions

Conversions Part 1

Format	Color
Hex	68796C
RGB	104, 121, 108
RGB Percent	41%, 47%, 42%
CMY	0.5934, 0.5268, 0.5777
CMYK	0.14, 0.00, 0.11, 0.53
HSL	134°, 8%, 44%
HSV	134°, 14%, 47%
XYZ	15.1583, 17.5941, 16.6943
YIQ	114.4350, -5.9590, -7.6470

Conversions

Conversions Part 2

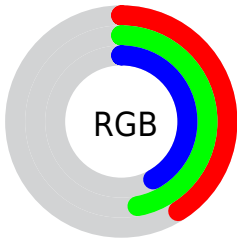
Format	Color
R_{YB}	104, 118, 121
Decimal	6846828
CIE Lab	49.00, -9.02, 5.02
CIE LCh	49, 10.328, 150.892
Yxy	17.5941, 0.3066, 0.3558
Android (android.graphics.Color)	4285036908 (0xFF68796C)
YUV	114.4350, -3.1725, -9.1515
Hunter-Lab	41.9453, -8.8973, 5.7642

Details

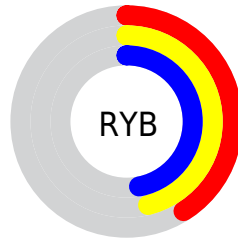
The CIELCh color $49, 10.328, 150.892$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $46, 10.373, 332.643$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $69, 10.328, 150.662$, and $29, 9.760, 151.632$ is the 20% darker color. If you saturate the color by 10%, you get $48, 17.703, 150.109$, and if you desaturate by 10%, it is $50, 2.975, 151.618$.

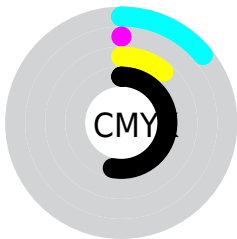
Distribution



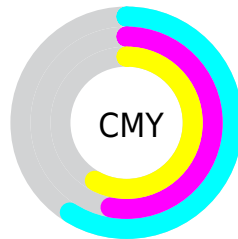
- Red (41%)
- Green (47%)
- Blue (42%)



- Red (41%)
- Yellow (46%)
- Blue (47%)



- Cyan (14%)
- Magenta (0%)
- Yellow (11%)
- Black (53%)





- Cyan (59%)
- Magenta (53%)
- Yellow (58%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 10.328, 150.892 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, 10.328, 150.892 by changing the saturation by 10% instead.


 49, 10.328,
150.892


 49, 10.328,
150.892


 100, 10.328,
150.892


 39, 10.328,
150.892

 69, 10.328,
150.892


 29, 10.328,
150.892

 79, 10.328,
150.892

 19, 10.328,
150.892

 89, 10.328,
150.892

 9, 10.328, 150.892

 99, 10.328,
150.892

 0, 10.328, 150.892

 49, 10.328,

 49, 10.328,

150.892

■ 48, 17.703,
150.109

■ 47, 25.004,
149.215

■ 46, 32.122,
148.189

■ 45, 38.925,
147.016

■ 45, 45.276,
145.687

■ 44, 51.033,
144.205

■ 44, 56.068,
142.595

■ 44, 60.289,
140.927

150.892

■ 50, 2.975, 151.618

■ 51, 4.291, 332.082

■ 53, 11.415,
332.633

■ 54, 18.364,
333.098

■ 56, 25.115,
333.510

■ 58, 31.658,
333.877

■ 59, 37.987,
334.207

■ 61, 44.106,
334.506

■ 44, 62.500,
140.081

■ 63, 50.019,
334.778

Harmonies

Complementary

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



49, 10.328, 150.892



46, 10.373, 332.643

Rectangle

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



49, 10.328, 150.892



49, 10.328, 200.892



49, 10.328, 330.892



49, 10.328, 20.892

Sweetspot

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



49, 10.329, 150.891



65, 3.636, 151.616



50, 10.029, 118.414



33, 2.571, 151.566



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, 10.329, 150.891



63, 15.573, 150.640



49, 7.251, 177.108



25, 4.169, 151.252



45, 64.189, 140.010



87, 110.598, 139.019

Inverse Universe

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



46, 10.373, 332.643



58, 15.647, 332.861



46, 7.571, 359.588



24, 4.184, 332.316



27, 57.174, 339.887



57, 95.406, 340.684

Previews

White Background



This preview shows how the CIELCh color 49, 10.328, 150.892 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, 10.328, 150.892 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

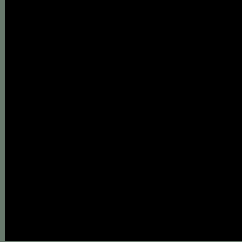
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

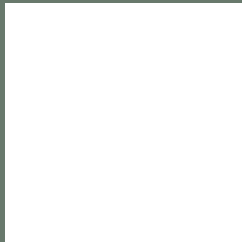
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 49, 10.328, 150.892

Background



This preview shows how black text looks on a background with the CIELCh color 49, 10.328, 150.892.

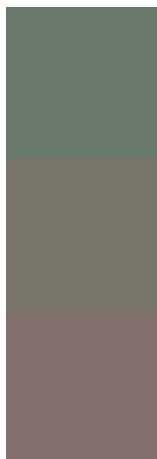


This preview shows how white text looks on a background with the CIELCh color 49, 10.328, 150.892.

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

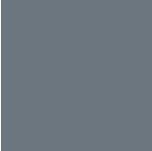
49, 10.328, 150.892

Protanopia

49, 6.761, 91.174

Deuteranopia

49, 7.779, 33.198



Tritanopia
49, 6.664, 251.816

Trichromacy



Original Color
49, 10.328, 150.892

Protanomaly
49, 7.129, 119.313

Deuteranomaly
49, 4.070, 79.025

Tritanomaly
49, 5.098, 205.558

Monochromacy



Original Color
49, 10.328, 150.892

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 3.400, 155.388

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 10.328, 150.892 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(104, 121, 108)` looks like.

```
.text, #text, p{  
    color:rgb(104, 121, 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(104, 121, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 121, 108) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 10.328, 150.892 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(104, 121, 108) }
```

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

```
.border{ border-color:rgb(104, 121, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 121, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 121, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 121, 108);  
box-shadow:4px 4px 4px 4px rgb(104, 121,  
108) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 10.328, 150.892 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 121, 108) }
```

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

```
.background{ background-color: rgb(104,  
121, 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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