

Converting Colors

CIELCh(49, 4.964, 149.090)

Have a look what the booklet for
CIELCh(49, 4.964, 149.090) contains.

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Color

CIELCh(49, 4.544, 148.311)

Conversions

Conversions Part 1

Format	Color
Hex	6F7670
RGB	111, 118, 112
RGB Percent	44%, 46%, 44%
CMY	0.5636, 0.5362, 0.5597
CMYK	0.06, 0.00, 0.05, 0.54
HSL	129°, 3%, 45%
HSV	129°, 6%, 46%
XYZ	16.0398, 17.5941, 17.9587
YIQ	115.2230, -2.2460, -3.3500

Conversions

Conversions Part 2

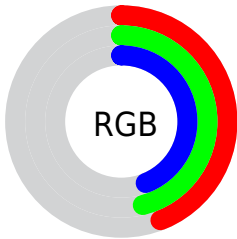
Format	Color
R_{YB}	111, 117, 118
Decimal	7304816
CIE Lab	49.00, -3.87, 2.39
CIE LCh	49, 4.544, 148.311
Yxy	17.5941, 0.3109, 0.3410
Android (android.graphics.Color)	4285494896 (0xFF6F7670)
YUV	115.2230, -1.5889, -3.7036
Hunter-Lab	41.9453, -5.1462, 3.9769

Details

The CIELCh color $49, 4.544, 148.311$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $48, 4.559, 328.899$, and the grayscale version is $49, 0.006, 296.813$.

A 20% lighter version of the original color is $69, 4.245, 148.429$, and $29, 4.987, 148.085$ is the 20% darker color. If you saturate the color by 10%, you get $48, 12.295, 147.631$, and if you desaturate by 10%, it is $50, 3.113, 328.765$.

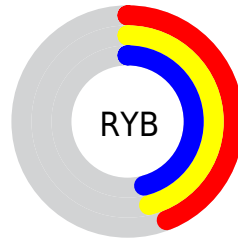
Distribution



Red (44%)

Green (46%)

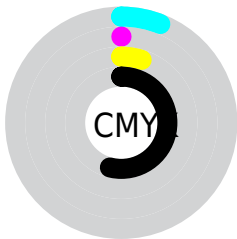
Blue (44%)



Red (44%)

Yellow (46%)

Blue (46%)

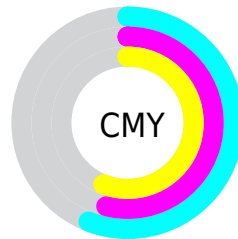


Cyan (6%)

Magenta (0%)

Yellow (5%)

Black (54%)



Cyan (56%)

Magenta (54%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 4.544, 148.311 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, 4.544, 148.311 by changing the saturation by 10% instead.

■ 49, 4.544, 148.311

■ 49, 4.544, 148.311

■ 100, 4.544,
148.311

■ 39, 4.544, 148.311

■ 69, 4.544, 148.311

■ 29, 4.544, 148.311

■ 79, 4.544, 148.311

■ 19, 4.544, 148.311

■ 89, 4.544, 148.311

■ 9, 4.544, 148.311

■ 99, 4.544, 148.311

■ 0, 4.544, 148.311

■ 49, 4.544, 148.311

■ 49, 4.544, 148.311

■ 48, 12.295,
147.631

■ 50, 3.113, 328.765

■ 47, 20.056,

■ 52, 10.624,
329.298

146.869

■ 53, 17.947,
329.730

■ 46, 27.724,
145.993

■ 55, 25.060,
330.104

■ 45, 35.170,
144.988

■ 56, 31.950,
330.432

■ 44, 42.240,
143.847

■ 58, 38.613,
330.721

■ 44, 48.762,
142.576

■ 60, 45.051,
330.978

■ 43, 54.554,
141.204

■ 62, 51.272,
331.207

■ 43, 59.433,
139.788

■ 64, 57.284,
331.413

■ 43, 63.277,
138.468

Harmonies

Complementary

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



49, 4.544, 148.311



48, 4.559, 328.899

Rectangle

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



49, 4.544, 148.311



49, 4.544, 198.311



49, 4.544, 328.311



49, 4.544, 18.311

Sweetspot

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



49, 4.545, 148.310



63, 1.885, 148.621



49, 4.109, 114.980



32, 1.065, 148.641



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, 4.545, 148.310



62, 6.640, 148.226



49, 3.202, 171.101



24, 3.436, 148.223



44, 66.295, 138.017



86, 114.451, 137.262

Inverse Universe

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



48, 4.559, 328.899



60, 6.658, 328.978



48, 3.248, 351.927



23, 3.445, 328.981



27, 60.264, 334.605



57, 101.570, 335.016

Previews

White Background



This preview shows how the CIELCh color 49, 4.544, 148.311 looks on a white background.

Color Contrast Check

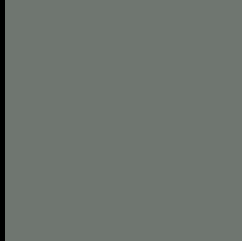
Large Text (above 18pt) WCAG AA ✓ Pass

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, 4.544, 148.311 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

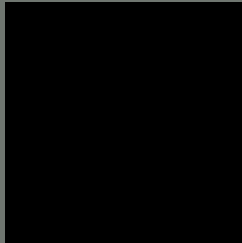
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

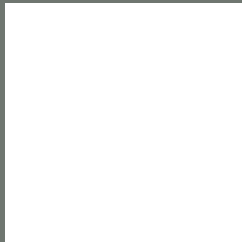
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 49, 4.544, 148.311

Background



This preview shows how black text looks on a background with the CIELCh color 49, 4.544, 148.311.

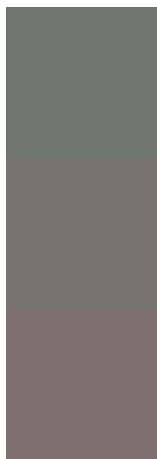


This preview shows how white text looks on a background with the CIELCh color 49, 4.544, 148.311.

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, 4.544, 148.311

Protanopia

49, 3.346, 80.223

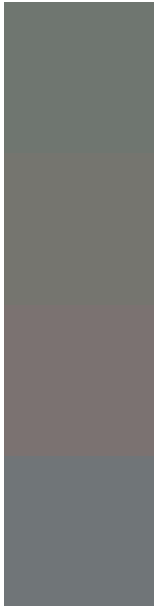
Deuteranopia

49, 7.078, 15.472



Tritanopia
49, 5.396, 278.394

Trichromacy



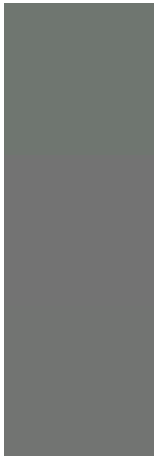
Original Color
49, 4.544, 148.311

Protanomaly
49, 3.507, 109.699

Deuteranomaly
49, 3.749, 28.700

Tritanomaly
49, 2.625, 241.607

Monochromacy



Original Color
49, 4.544, 148.311

Achromatopsia
48, 0.006, 296.813

Achromatomaly
49, 1.429, 144.472

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 4.544, 148.311 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(111, 118, 112)` looks like.

```
.text, #text, p{  
    color:rgb(111, 118, 112)  
}
```

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(111, 118, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 118, 112) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 4.544, 148.311 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(111, 118, 112) }
```

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

```
.border{ border-color:rgb(111, 118, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 118, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 118, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 118, 112);  
box-shadow:4px 4px 4px 4px rgb(111, 118,  
112) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 4.544, 148.311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 118, 112) }
```

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

```
.background{ background-color: rgb(111,  
118, 112) }
```

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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