

# Converting Colors

CIELCh(48, 4.277, 258.879)

Have a look what the booklet for  
CIELCh(48, 4.277, 258.879) contains.

<b>CIELCh(48, 4.204, 256.710)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	20
<i><b>Color Blindness Simulation</b></i> .....	23
<i><b>CSS Examples</b></i> .....	26

# Color

**CIELCh(48, 4.204, 256.710)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	6D7379
RGB	109, 115, 121
RGB Percent	43%, 45%, 47%
CMY	0.5738, 0.5502, 0.5267
CMYK	0.10, 0.05, 0.00, 0.53
HSL	210°, 5%, 45%
HSV	210°, 10%, 47%
XYZ	15.7955, 16.7945, 20.3967
YIQ	113.8900, -5.5020, 0.5940

# Conversions

## Conversions Part 2

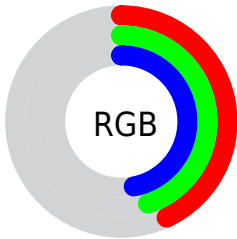
Format	Color
<b>R<sub>YB</sub></b>	109, 113, 121
Decimal	7172985
CIE Lab	48.00, -0.97, -4.09
CIE LCh	48, 4.204, 256.710
Yxy	16.7945, 0.2981, 0.3170
Android (android.graphics.Color)	4285363065 (0xFF6D7379)
YUV	113.8900, 3.5052, -4.2885
Hunter-Lab	40.9810, -2.9170, -0.8226

# Details

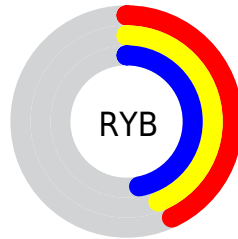
The CIELCh color  $48, 4.204, 256.710$  is a dark color, and the websafe version is hex  $666666$ . A complement of this color would be  $49, 4.297, 74.189$ , and the grayscale version is  $48, 0.006, 296.813$ .

A 20% lighter version of the original color is  $68, 3.945, 256.371$ , and  $28, 4.578, 257.458$  is the 20% darker color. If you saturate the color by 10%, you get  $45, 8.389, 258.123$ , and if you desaturate by 10%, it is  $51, 0.022, 63.566$ .

# Distribution



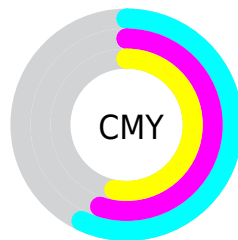
- Red (43%)
- Green (45%)
- Blue (47%)



- Red (43%)
- Yellow (44%)
- Blue (47%)



- Cyan (10%)
- Magenta (5%)
- Yellow (0%)
- Black (53%)















- Cyan (57%)
- Magenta (55%)
- Yellow (53%)



# Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 4.204, 256.710 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 48, 4.204, 256.710 by changing the saturation by 10% instead.



 48, 4.204, 256.710	 48, 4.204, 256.710
 100, 4.204, 256.710	 38, 4.204, 256.710
 68, 4.204, 256.710	 28, 4.204, 256.710
 78, 4.204, 256.710	 18, 4.204, 256.710
 88, 4.204, 256.710	 8, 4.204, 256.710
 98, 4.204, 256.710	 0, 4.204, 256.710

 48, 4.204, 256.710	 48, 4.204, 256.710
 45, 8.389, 258.123	 51, 0.022, 63.566
 43, 12.521, 259.834	 53, 4.270, 74.267

40, 16.584,  
261.863

56, 8.528, 73.380

37, 20.571,  
264.260

59, 12.785, 72.594

35, 24.481,  
267.075

62, 17.030, 71.903

32, 28.333,  
270.340

67, 25.454, 70.753

30, 32.160,  
274.053

70, 29.621, 70.270

28, 36.017,  
278.152

73, 33.753, 69.836

26, 40.006,  
282.198

# Harmonies

# Complementary

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



48, 4.204, 256.710



49, 4.297, 74.189

# Rectangle

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



48, 4.204, 256.710



48, 4.204, 306.710



48, 4.204, 76.710



48, 4.204, 126.710

# Sweetspot

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



48, 4.203, 256.694



64, 1.591, 255.954



50, 6.059, 162.027



33, 1.198, 256.004



83, 0.010, 296.813



34, 0.005, 296.813



# Same Dimension

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



48, 4.203, 256.694



61, 6.323, 257.006



46, 7.005, 290.505



24, 2.411, 256.585



27, 41.185, 282.400



54, 73.040, 284.987





# Inverse Universe

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



47, 6.064, 344.389



60, 9.157, 344.597



50, 6.857, 108.581



24, 3.473, 344.313



26, 50.115, 0.440



54, 83.991, 2.901



# Previews

## White Background



This preview shows how the CIELCh color 48, 4.204, 256.710 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 48, 4.204, 256.710 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

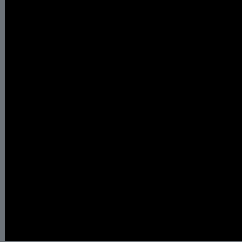
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

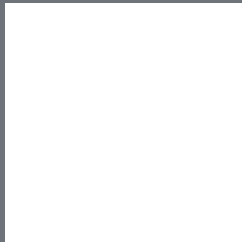
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 48, 4.204, 256.710**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 48, 4.204, 256.710.



This preview shows how white text looks on a background with the CIELCh color 48, 4.204, 256.710.

# 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


48, 4.204, 256.710

### Protanopia

48, 4.158, 296.210

### Deuteranopia

48, 7.654, 322.370



**Tritanopia**  
48, 5.615, 270.659



# Trichromacy



## Original Color

48, 4.204, 256.710

## Protanomaly

48, 3.613, 278.036

## Deuteranomaly

48, 6.254, 309.403

## Tritanomaly

48, 5.069, 268.205

# Monochromacy



## Original Color

48, 4.204, 256.710

## Achromatopsia

48, 0.006, 296.813

## Achromatomaly

48, 1.419, 255.996

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 48, 4.204, 256.710 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(109, 115, 121)` looks like.

```
.text, #text, p{  
    color:rgb(109, 115, 121)  
}
```

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(109, 115, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 115, 121) }
```

## Border

The CSS property to change the border of an element to CIELCh 48, 4.204, 256.710 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(109, 115, 121) }
```

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

```
.border{ border-color:rgb(109, 115, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 115, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 115, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 115, 121);  
box-shadow:4px 4px 4px 4px rgb(109, 115,  
121) }
```

# Background

The CSS property to change the background color of an element to CIELCh 48, 4.204, 256.710 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 115, 121) }
```

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

```
.background{ background-color: rgb(109,  
115, 121) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor