

# Converting Colors

CIELCh(48, 12.511, 323.777)

Have a look what the booklet for  
CIELCh(48, 12.511, 323.777)  
contains.

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**Color**

**CIELCh(48, 12.607, 323.629)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	7E6D7F
RGB	126, 109, 127
RGB Percent	49%, 43%, 50%
CMY	0.5073, 0.5739, 0.5034
CMYK	0.01, 0.14, 0.00, 0.50
HSL	297°, 8%, 46%
HSV	297°, 14%, 50%
XYZ	17.7904, 16.7945, 22.2606
YIQ	116.1350, 4.3540, 9.2020

# Conversions

## Conversions Part 2

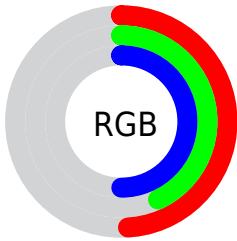
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	126, 109, 127
Decimal	8285567
CIE <sub>Lab</sub>	48.00, 10.15, -7.48
CIE <sub>LCh</sub>	48, 12.607, 323.629
Yxy	16.7945, 0.3130, 0.2954
Android (android.graphics.Color)	4286475647 (0xFF7E6D7F)
YUV	116.1350, 5.3564, 8.6516
Hunter-Lab	40.9810, 5.7725, -3.5192

# Details

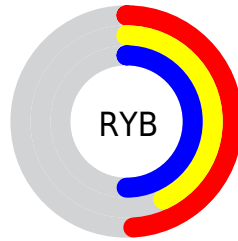
The CIELCh color  $48, 12.607, 323.629$  is a dark color, and the websafe version is hex  $666666$ . A complement of this color would be  $51, 12.574, 142.189$ , and the grayscale version is  $49, 0.007, 296.813$ .

A 20% lighter version of the original color is  $68, 12.473, 323.545$ , and  $28, 12.988, 323.851$  is the 20% darker color. If you saturate the color by 10%, you get  $45, 21.548, 324.123$ , and if you desaturate by 10%, it is  $52, 3.709, 323.105$ .

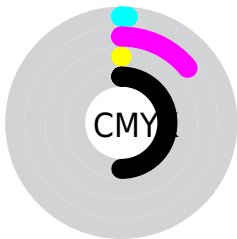
# Distribution



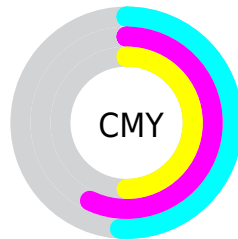
- Red (49%)
- Green (43%)
- Blue (50%)



- Red (49%)
- Yellow (43%)
- Blue (50%)



- Cyan (1%)
- Magenta (14%)
- Yellow (0%)
- Black (50%)



- Cyan (51%)
- Magenta (57%)
- Yellow (50%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 12.607, 323.629 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, 12.607, 323.629 by changing the saturation by 10% instead.





 48, 12.607,  
323.629


 48, 12.607,  
323.629


 100, 12.607,  
323.629


 38, 12.607,  
323.629

 68, 12.607,  
323.629


 28, 12.607,  
323.629

 78, 12.607,  
323.629

 18, 12.607,  
323.629


 88, 12.607,  
323.629

 8, 12.607, 323.629

 98, 12.607,  
323.629

 0, 12.607, 323.629

 48, 12.607,

 48, 12.607,

323.629

45, 21.548,  
324.123

41, 30.398,  
324.599

38, 38.963,  
325.043

35, 46.986,  
325.438

33, 54.157,  
325.762

31, 60.142,  
325.996

30, 64.653,  
326.121

29, 67.567,  
326.132

323.629

52, 3.709, 323.105

55, 5.049, 142.703

59, 13.614,  
142.212

63, 21.951,  
141.758

66, 30.047,  
141.330

70, 37.898,  
140.927

74, 45.506,  
140.550

78, 52.881,  
140.199

■ 28, 68.994,  
326.121

■ 81, 60.033,  
139.874

# Harmonies

# Complementary

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



48, 12.607, 323.629



51, 12.574, 142.189

# Rectangle

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



48, 12.607, 323.629



48, 12.607, 13.629



48, 12.607, 143.629



48, 12.607, 193.629

# Sweetspot

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



48, 12.605, 323.629



66, 4.398, 323.098



47, 9.957, 288.893



35, 3.151, 323.137



85, 0.010, 296.813



36, 0.005, 296.813





# Same Dimension

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



48, 12.605, 323.629



61, 18.827, 323.789



48, 9.472, 341.283



25, 5.015, 323.370



28, 69.330, 326.120



0, 0.000, 0.000



# Inverse Universe

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



48, 7.539, 15.820



60, 11.367, 16.120



51, 9.353, 159.152



25, 2.956, 15.366



25, 59.482, 36.120



0, 0.000, 0.000



# Previews

## White Background



This preview shows how the CIELCh color 48, 12.607, 323.629 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 48, 12.607, 323.629 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

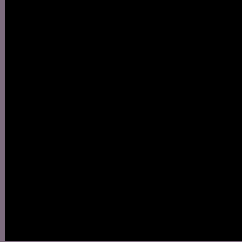
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**CIELCh 48, 12.607, 323.629**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 48, 12.607, 323.629.



This preview shows how white text looks on a background with the CIELCh color 48, 12.607, 323.629.

# 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, 12.607, 323.629


### Protanopia

48, 10.044, 287.178

### Deuteranopia

48, 9.438, 310.715





**Tritanopia**  
48, 7.785, 337.445

# Trichromacy



**Original Color**  
48, 12.607, 323.629

**Protanomaly**  
48, 10.844, 301.813

**Deuteranomaly**  
48, 10.442, 315.835

**Tritanomaly**  
48, 9.318, 331.222

# Monochromacy



**Original Color**  
48, 12.607, 323.629

**Achromatopsia**  
49, 0.007, 296.813

**Achromatomaly**  
48, 5.015, 324.711

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 48, 12.607, 323.629 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(126, 109, 127)` looks like.

```
.text, #text, p{  
    color:rgb(126, 109, 127)  
}
```

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(126, 109, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 109, 127) }
```

## Border

The CSS property to change the border of an element to CIELCh 48, 12.607, 323.629 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(126, 109, 127) }
```

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

```
.border{ border-color:rgb(126, 109, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 109, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 109, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 109, 127);  
box-shadow:4px 4px 4px 4px rgb(126, 109,  
127) }
```

# Background

The CSS property to change the background color of an element to CIELCh 48, 12.607, 323.629 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 109, 127) }
```

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

```
.background{ background-color: rgb(126,  
109, 127) }
```

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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