

# Converting Colors

CIELCh(64, 11.829, 320.947)

Have a look what the booklet for  
CIELCh(64, 11.829, 320.947)  
contains.

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# Color

**CIELCh(64, 11.762, 321.888)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A696A8
RGB	166, 150, 168
RGB Percent	65%, 59%, 66%
CMY	0.3485, 0.4113, 0.3407
CMYK	0.01, 0.11, 0.00, 0.34
HSL	293°, 9%, 62%
HSV	293°, 11%, 66%
XYZ	33.7551, 32.8017, 41.6567
YIQ	156.8360, 3.7580, 8.9900

# Conversions

## Conversions Part 2

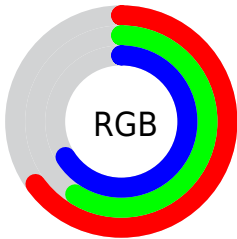
<b>Format</b>	<b>Color</b>
<b>RYB</b>	166, 150, 168
Decimal	10917544
CIELab	64.00, 9.25, -7.26
CIElCh	64, 11.762, 321.888
Yxy	32.8017, 0.3119, 0.3031
Android (android.graphics.Color)	4289107624 (0xFFA696A8)
YUV	156.8360, 5.5039, 8.0368
Hunter-Lab	57.2727, 4.9762, -3.0330

# Details

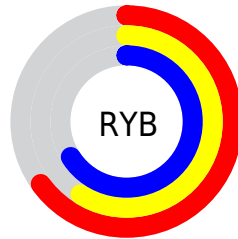
The CIELCh color  $64, 11.762, 321.888$  is a light color, and the websafe version is hex  $999999$ . A complement of this color would be  $67, 11.717, 140.876$ , and the grayscale version is  $65, 0.008, 296.813$ .

A 20% lighter version of the original color is  $84, 11.780, 321.956$ , and  $44, 11.886, 321.866$  is the 20% darker color. If you saturate the color by 10%, you get  $60, 22.869, 322.370$ , and if you desaturate by 10%, it is  $69, 0.776, 321.172$ .

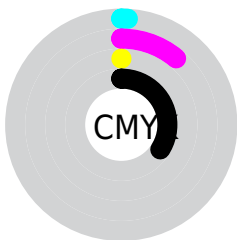
# Distribution



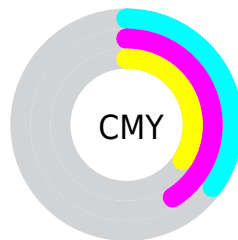
- Red (65%)
- Green (59%)
- Blue (66%)



- Red (65%)
- Yellow (59%)
- Blue (66%)



- Cyan (1%)
- Magenta (11%)
- Yellow (0%)
- Black (34%)



- Cyan (35%)
- Magenta (41%)
- Yellow (34%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 11.762, 321.888 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 64, 11.762, 321.888 by changing the saturation by 10% instead.




 64, 11.762,  
321.888


 64, 11.762,  
321.888

 100, 11.762,  
321.888

 54, 11.762,  
321.888


 84, 11.762,  
321.888

 44, 11.762,  
321.888

 94, 11.762,  
321.888

 34, 11.762,  
321.888

 24, 11.762,  
321.888

 14, 11.762,  
321.888

 4, 11.762, 321.888

 0, 11.762, 321.888

64, 11.762,  
321.888

64, 11.762,  
321.888

60, 22.869,  
322.370

69, 0.776, 321.172

55, 33.961,  
322.837

73, 9.991, 140.996

51, 44.819,  
323.275

78, 20.489,  
140.547

47, 55.145,  
323.662

83, 30.691,  
140.128

44, 64.550,  
323.973

87, 40.589,  
139.737

41, 72.588,  
324.178

92, 50.184,  
139.374

39, 78.820,  
324.249

93, 52.156,  
138.874

37, 82.944,

94, 51.805,  
138.316

324.161

■ 94, 51.456,  
137.746

■ 36, 85.249,  
323.966

# Harmonies

# Complementary

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



64, 11.762, 321.888



67, 11.717, 140.876

# Rectangle

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



64, 11.762, 321.888



64, 11.762, 11.888



64, 11.762, 141.888



64, 11.762, 191.888

# Sweetspot

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



64, 11.760, 321.888



86, 4.070, 321.483



63, 8.912, 286.184



45, 3.082, 321.532



94, 0.011, 296.813



46, 0.006, 296.813





# Same Dimension

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



64, 11.760, 321.888



80, 17.756, 322.011



64, 9.293, 338.614



33, 6.215, 321.818



32, 77.581, 324.009



2, 11.134, 320.258



# Inverse Universe

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



64, 7.135, 11.090



80, 10.841, 11.344



67, 9.218, 157.096



33, 3.758, 10.949



30, 64.989, 34.392



1, 6.647, 11.501



# Previews

## White Background



This preview shows how the CIELCh color 64, 11.762, 321.888 looks on a white background.

## Color Contrast Check

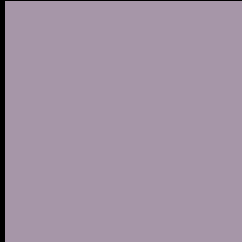
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the CIE LCh color 64, 11.762, 321.888 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

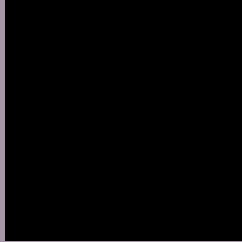
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**CIELCh 64, 11.762, 321.888**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 64, 11.762, 321.888.



This preview shows how white text looks on a background with the CIELCh color 64, 11.762, 321.888.

# 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

64, 11.762, 321.888

### Protanopia

64, 9.487, 288.987

### Deuteranopia

64, 10.718, 318.157





**Tritanopia**  
64, 8.591, 329.076

# Trichromacy



**Original Color**  
64, 11.762, 321.888

**Protanomaly**  
64, 9.697, 302.169

**Deuteranomaly**  
64, 10.895, 319.940

**Tritanomaly**  
64, 9.481, 324.874

# Monochromacy



**Original Color**  
64, 11.762, 321.888

**Achromatopsia**  
65, 0.008, 296.813

**Achromatomaly**  
64, 4.546, 320.647

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 64, 11.762, 321.888 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(166, 150, 168)` looks like.

```
.text, #text, p{  
    color:rgb(166, 150, 168)  
}
```

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(166, 150, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 150, 168) }
```

## Border

The CSS property to change the border of an element to CIELCh 64, 11.762, 321.888 is called "border". The border property can be set on classes, ids or directly on the HTML element.

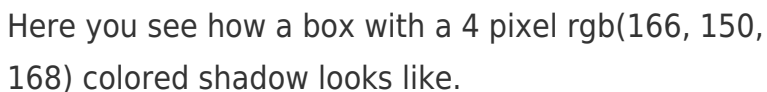
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(166, 150, 168) }
```

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

```
.border{ border-color:rgb(166, 150, 168) }
```

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



Here you see how a box with a 4 pixel `rgb(166, 150, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(166, 150, 168); -webkit-box-shadow:4px 4px 4px 4px rgb(166, 150, 168); box-shadow:4px 4px 4px 4px rgb(166, 150, 168) }
```

# Background

The CSS property to change the background color of an element to CIELCh 64, 11.762, 321.888 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 150, 168) }
```

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

```
.background{ background-color: rgb(166,  
150, 168) }
```

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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