

# Converting Colors

CIELCh(61, 13.673, 290.590)

Have a look what the booklet for  
CIELCh(61, 13.673, 290.590)  
contains.

<b>CIELCh(61, 14.096, 291.738)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	21
<b><i>Color Blindness Simulation</i></b> .....	24
<b><i>CSS Examples</i></b> .....	27

# Color

**CIELCh(61, 14.096, 291.738)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9191AA
RGB	145, 145, 170
RGB Percent	57%, 57%, 67%
CMY	0.4307, 0.4307, 0.3326
CMYK	0.15, 0.15, 0.00, 0.33
HSL	240°, 13%, 62%
HSV	240°, 15%, 67%
XYZ	29.1321, 29.2481, 42.2288
YIQ	147.8500, -8.0250, 7.7750

# Conversions

## Conversions Part 2

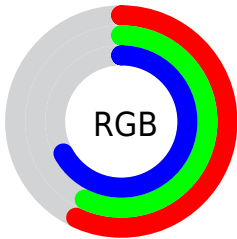
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">145, 145, 170</a>
Decimal	<a href="#">9540010</a>
CIELab	<a href="#">61.00, 5.22, -13.09</a>
CIELCh	<a href="#">61, 14.096, 291.738</a>
Yxy	<a href="#">29.2481, 0.2896, 0.2907</a>
Android (android.graphics.Color)	<a href="#">4287730090</a> ( <a href="#">0xFF9191AA</a> )
YUV	<a href="#">147.8500, 10.9200, -2.4994</a>
Hunter-Lab	<a href="#">54.0815, 1.5097, -8.4387</a>

# Details

The CIELCh color  $61, 14.096, 291.738$  is a light color, and the websafe version is hex  $999999$ . A complement of this color would be  $69, 13.637, 108.780$ , and the grayscale version is  $61, 0.008, 296.813$ .

A 20% lighter version of the original color is  $81, 13.833, 291.398$ , and  $41, 13.974, 290.702$  is the 20% darker color. If you saturate the color by 10%, you get  $55, 24.174, 293.026$ , and if you desaturate by 10%, it is  $67, 4.419, 290.646$ .

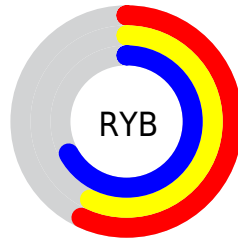
# Distribution



Red (57%)

Green (57%)

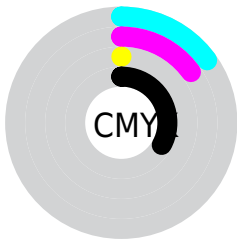
Blue (67%)



Red (57%)

Yellow (57%)

Blue (67%)

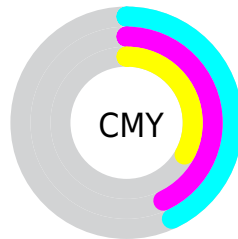


Cyan (15%)

Magenta (15%)

Yellow (0%)

Black (33%)



Cyan (43%)

Magenta (43%)


Yellow (33%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 61, 14.096, 291.738 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 61, 14.096, 291.738 by changing the saturation by 10% instead.




 61, 14.096,  
291.738


 61, 14.096,  
291.738


 100, 14.096,  
291.738


 51, 14.096,  
291.738


 81, 14.096,  
291.738

 41, 14.096,  
291.738

 91, 14.096,  
291.738

 31, 14.096,  
291.738

 21, 14.096,  
291.738

 11, 14.096,  
291.738

 1, 14.096, 291.738

 0, 14.096, 291.738

61, 14.096,  
291.738

61, 14.096,  
291.738

55, 24.174,  
293.026

67, 4.419, 290.646

49, 34.686,  
294.541

73, 4.884, 109.689

43, 45.639,  
296.297

79, 13.841,  
108.902

38, 56.986,  
298.287

84, 22.477,  
108.224

32, 68.524,  
300.443

90, 30.816,  
107.642

27, 79.705,  
302.604

96, 38.877,  
107.140

23, 89.418,  
304.489

98, 42.446,  
106.936

21, 96.096,

305.769

■ 20, 98.834,  
306.287

# Harmonies

# Complementary

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



61, 14.096, 291.738



69, 13.637, 108.780

# Rectangle

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



61, 14.096, 291.738



61, 14.096, 341.738



61, 14.096, 111.738



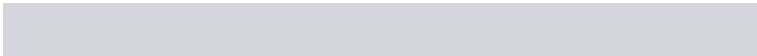
61, 14.096, 161.738

# Sweetspot

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



61, 14.095, 291.735



85, 4.669, 290.586



68, 9.098, 197.229



45, 3.348, 290.658



95, 0.011, 296.813



47, 0.006, 296.813





# Same Dimension

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



61, 14.095, 291.735



75, 21.580, 292.180



62, 14.808, 309.152



32, 5.323, 291.121



16, 89.149, 306.287



0, 9.559, 290.177



# Inverse Universe

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



62, 9.964, 20.336



77, 15.360, 20.648



68, 14.507, 127.833



33, 3.724, 19.904



30, 69.026, 39.358

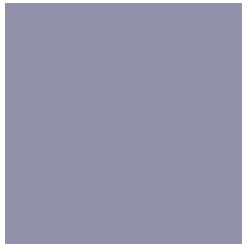


1, 6.572, 19.403



# Previews

## White Background



This preview shows how the CIELCh color 61, 14.096, 291.738 looks on a white background.

## Color Contrast Check

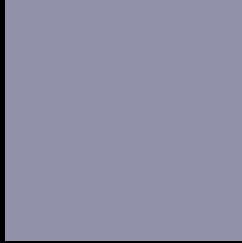
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

# Black Background



This preview shows how the CIE LCh color 61, 14.096, 291.738 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

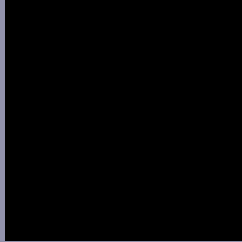
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

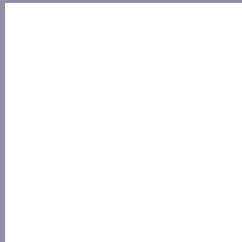
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 61, 14.096, 291.738

## Background



This preview shows how black text looks on a background with the CIELCh color 61, 14.096, 291.738.



This preview shows how white text looks on a background with the CIELCh color 61, 14.096, 291.738.

# 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

61, 14.096, 291.738

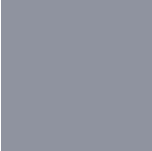
### Protanopia

61, 14.100, 287.358

### Deuteranopia

61, 15.419, 299.959





**Tritanopia**  
61, 6.892, 278.480

# Trichromacy



**Original Color**  
61, 14.096, 291.738

**Protanomaly**  
61, 14.084, 288.808

**Deuteranomaly**  
61, 15.327, 297.268

**Tritanomaly**  
61, 9.595, 286.849

# Monochromacy



**Original Color**  
61, 14.096, 291.738

**Achromatopsia**  
61, 0.008, 296.813

**Achromatomaly**  
61, 5.069, 290.751

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 61, 14.096, 291.738 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(145, 145, 170)` looks like.

```
.text, #text, p{  
    color:rgb(145, 145, 170)  
}
```

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(145, 145, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 145, 170) }
```

## Border

The CSS property to change the border of an element to CIELCh 61, 14.096, 291.738 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(145, 145, 170) }
```

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

```
.border{ border-color:rgb(145, 145, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 145, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 145, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 145, 170);  
box-shadow:4px 4px 4px 4px rgb(145, 145,  
170) }
```

# Background

The CSS property to change the background color of an element to CIELCh 61, 14.096, 291.738 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 145, 170) }
```

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

```
.background{ background-color: rgb(145,  
145, 170) }
```

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