

# Converting Colors

CIELCh(61, 3.660, 149.219)

Have a look what the booklet for  
CIELCh(61, 3.660, 149.219) contains.

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# Color

**CIELCh(61, 3.664, 149.218)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	8F9590
RGB	143, 149, 144
RGB Percent	56%, 58%, 56%
CMY	0.4401, 0.4166, 0.4362
CMYK	0.04, 0.00, 0.03, 0.42
HSL	130°, 3%, 57%
HSV	130°, 4%, 58%
XYZ	27.0160, 29.2481, 30.5158
YIQ	146.6360, -1.9710, -2.8270

# Conversions

## Conversions Part 2

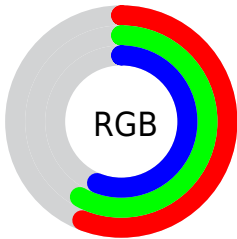
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">143, 148, 149</a>
Decimal	<a href="#">9409936</a>
CIELab	<a href="#">61.00, -3.15, 1.88</a>
CIELCh	<a href="#">61, 3.664, 149.218</a>
Yxy	<a href="#">29.2481, 0.3113, 0.3370</a>
Android (android.graphics.Color)	<a href="#">4287600016 (0xFF8F9590)</a>
YUV	<a href="#">146.6360, -1.2995, -3.1888</a>
Hunter-Lab	<a href="#">54.0815, -5.4746, 4.4024</a>

# Details

The CIELCh color  $61, 3.664, 149.218$  is a dark color, and the websafe version is hex  $999999$ . A complement of this color would be  $60, 3.681, 329.561$ , and the grayscale version is  $61, 0.008, 296.813$ .

A 20% lighter version of the original color is  $81, 3.456, 149.300$ , and  $41, 3.217, 150.286$  is the 20% darker color. If you saturate the color by 10%, you get  $60, 12.846, 148.510$ , and if you desaturate by 10%, it is  $63, 5.392, 329.675$ .

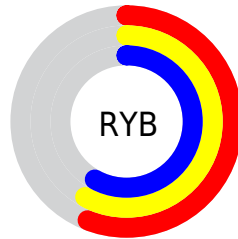
# Distribution



Red (56%)

Green (58%)

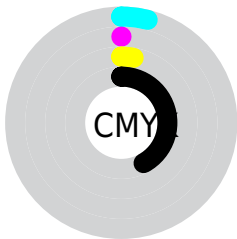
Blue (56%)



Red (56%)

Yellow (58%)

Blue (58%)

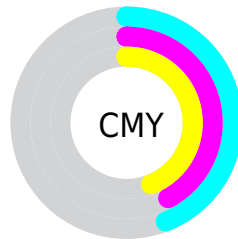


Cyan (4%)

Magenta (0%)

Yellow (3%)

Black (42%)



Cyan (44%)

Magenta (42%)

Yellow (44%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 61, 3.664, 149.218 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, 3.664, 149.218 by changing the saturation by 10% instead.



■ 61, 3.664, 149.218

■ 61, 3.664, 149.218

■ 100, 3.664,  
149.218

■ 51, 3.664, 149.218

■ 81, 3.664, 149.218

■ 41, 3.664, 149.218

■ 91, 3.664, 149.218

■ 31, 3.664, 149.218

■ 21, 3.664, 149.218

■ 11, 3.664, 149.218

■ 1, 3.664, 149.218

■ 0, 3.664, 149.218

■ 61, 3.664, 149.218

■ 61, 3.664, 149.218

■ 60, 12.846,

■ 63, 5.392, 329.675

148.510

64, 14.261,  
330.197

58, 22.055,  
147.738

66, 22.898,  
330.633

57, 31.172,  
146.849

68, 31.277,  
331.014

56, 40.040,  
145.825

70, 39.384,  
331.348

55, 48.480,  
144.655

72, 47.217,  
331.644

55, 56.287,  
143.339

74, 54.781,  
331.908

54, 63.250,  
141.901

76, 60.943,  
330.168

54, 69.160,  
140.391

76, 65.755,  
326.675

54, 73.833,  
138.901



# Harmonies

# Complementary

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



61, 3.664, 149.218



60, 3.681, 329.561

# Rectangle

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



61, 3.664, 149.218



61, 3.664, 199.218



61, 3.664, 329.218



61, 3.664, 19.218

# Sweetspot

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



61, 3.666, 149.216



78, 1.119, 149.592



61, 3.380, 115.769



41, 0.634, 149.614



89, 0.011, 296.813



41, 0.006, 296.813





# Same Dimension

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



61, 3.666, 149.216



77, 5.644, 149.136



61, 2.604, 172.379



31, 3.070, 149.106



50, 71.725, 138.282



2, 4.473, 149.393



# Inverse Universe

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



60, 3.681, 329.561



76, 5.663, 329.637



60, 2.636, 352.806



30, 3.081, 329.666



31, 64.370, 335.971



1, 4.473, 329.387



# Previews

## White Background



This preview shows how the CIELCh color 61, 3.664, 149.218 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, 3.664, 149.218 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

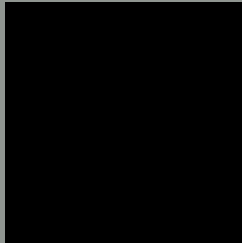
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

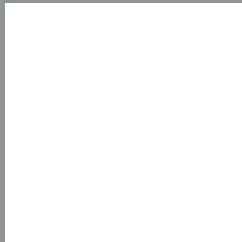
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# **CIELCh 61, 3.664, 149.218**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 61, 3.664, 149.218.



This preview shows how white text looks on a background with the CIELCh color 61, 3.664, 149.218.

# 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, 3.664, 149.218


### Protanopia

61, 2.971, 68.408

### Deuteranopia

61, 8.088, 8.195





**Tritanopia**  
61, 6.226, 283.977

# Trichromacy



**Original Color**  
61, 3.664, 149.218

**Protanomaly**  
61, 2.270, 99.980

**Deuteranomaly**  
61, 4.359, 12.346

**Tritanomaly**  
61, 3.174, 262.012

# Monochromacy



**Original Color**  
61, 3.664, 149.218

**Achromatopsia**  
61, 0.008, 296.813

**Achromatomaly**  
61, 1.368, 144.519

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 61, 3.664, 149.218 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(143, 149, 144)` looks like.

```
.text, #text, p{  
    color:rgb(143, 149, 144)  
}
```

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(143, 149, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 149, 144) }
```

## Border

The CSS property to change the border of an element to CIELCh 61, 3.664, 149.218 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(143, 149, 144) }
```

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

```
.border{ border-color:rgb(143, 149, 144) }
```

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

Here you see how a box with a 4 pixel rgb(143, 149, 144) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 149, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 149, 144);  
box-shadow:4px 4px 4px 4px rgb(143, 149,  
144) }
```

# Background

The CSS property to change the background color of an element to CIELCh 61, 3.664, 149.218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 149, 144) }
```

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

```
.background{ background-color: rgb(143,  
149, 144) }
```

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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