

# Converting Colors

CIELCh(60, 6.745, 312.856)

Have a look what the booklet for  
CIELCh(60, 6.745, 312.856) contains.

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# Color

**CIELCh(60, 6.804, 313.955)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	958E99
RGB	149, 142, 153
RGB Percent	58%, 56%, 60%
CMY	0.4149, 0.4423, 0.3992
CMYK	0.03, 0.07, 0.00, 0.40
HSL	278°, 5%, 58%
HSV	278°, 7%, 60%
XYZ	27.9032, 28.1233, 34.1854
YIQ	145.3470, 0.6410, 4.9050

# Conversions

## Conversions Part 2

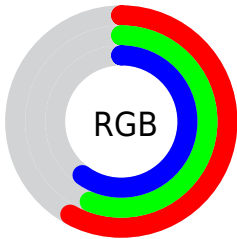
<b>Format</b>	<b>Color</b>
<b>RYB</b>	149, 142, 153
Decimal	9801369
CIELab	60.00, 4.72, -4.90
CIELCh	60, 6.804, 313.955
Yxy	28.1233, 0.3093, 0.3117
Android (android.graphics.Color)	4287991449 (0xFF958E99)
YUV	145.3470, 3.7729, 3.2037
Hunter-Lab	53.0314, 1.1151, -1.0978

# Details

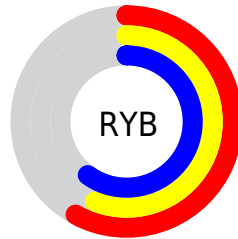
The CIELCh color  $60, 6.804, 313.955$  is a dark color, and the websafe version is hex  $999999$ . A complement of this color would be  $62, 6.746, 133.411$ , and the grayscale version is  $60, 0.008, 296.813$ .

A 20% lighter version of the original color is  $80, 6.421, 313.877$ , and  $40, 6.612, 312.854$  is the 20% darker color. If you saturate the color by 10%, you get  $55, 16.456, 314.386$ , and if you desaturate by 10%, it is  $65, 2.626, 133.625$ .

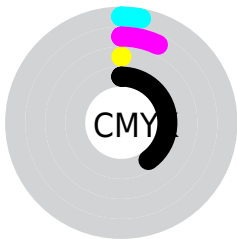
# Distribution



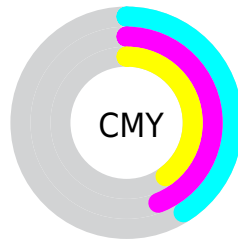
- Red (58%)
- Green (56%)
- Blue (60%)



- Red (58%)
- Yellow (56%)
- Blue (60%)



- Cyan (3%)
- Magenta (7%)
- Yellow (0%)
- Black (40%)



- Cyan (41%)
- Magenta (44%)
- Yellow (40%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 60, 6.804, 313.955 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 60, 6.804, 313.955 by changing the saturation by 10% instead.



60, 6.804, 313.955

60, 6.804, 313.955

100, 6.804,  
313.955

50, 6.804, 313.955

80, 6.804, 313.955

40, 6.804, 313.955

90, 6.804, 313.955

30, 6.804, 313.955

20, 6.804, 313.955

10, 6.804, 313.955

0, 6.804, 313.955

60, 6.804, 313.955

60, 6.804, 313.955

55, 16.456,  
314.386

65, 2.626, 133.625

69, 11.803,

51, 26.282,  
314.826

133.219

47, 36.183,  
315.264

74, 20.717,  
132.878

42, 46.001,  
315.678

78, 29.369,  
132.573

38, 55.484,  
316.032

83, 37.766,  
132.300

35, 64.271,  
316.277

88, 45.918,  
132.056

31, 71.882,  
316.348

92, 53.836,  
131.841

29, 77.785,  
316.170

94, 56.073,  
130.645

27, 81.748,  
315.711

94, 55.213,  
128.811

# Harmonies

# Complementary

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



60, 6.804, 313.955



62, 6.746, 133.411

# Rectangle

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



60, 6.804, 313.955



60, 6.804, 3.955



60, 6.804, 133.955



60, 6.804, 183.955

# Sweetspot

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



60, 6.802, 313.952



79, 2.335, 313.696



61, 4.189, 269.329



42, 1.324, 313.686



90, 0.011, 296.813



42, 0.006, 296.813



# Same Dimension

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



60, 6.802, 313.952



75, 10.570, 314.039



60, 6.884, 328.684



30, 5.360, 314.041



24, 77.579, 315.665



1, 5.721, 313.330





# Inverse Universe

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



60, 4.870, 352.266



75, 7.576, 352.471



62, 6.866, 147.913



30, 3.842, 352.476



29, 54.615, 13.832



1, 4.075, 352.091



# Previews

## White Background



This preview shows how the CIELCh color 60, 6.804, 313.955 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 60, 6.804, 313.955 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

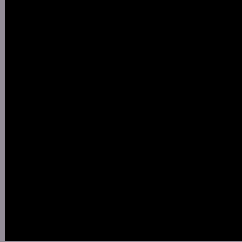
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

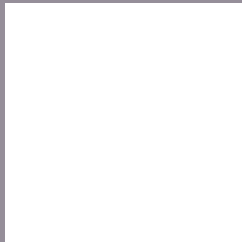
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 60, 6.804, 313.955**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 60, 6.804, 313.955.

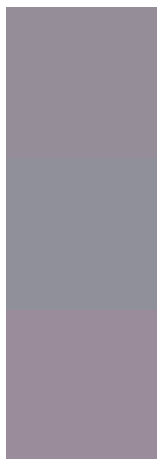


This preview shows how white text looks on a background with the CIELCh color 60, 6.804, 313.955.

# 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


60, 6.804, 313.955

### Protanopia

60, 5.652, 290.823

### Deuteranopia

60, 9.605, 324.906



**Tritanopia**  
60, 6.804, 313.955



# Trichromacy



**Original Color**  
60, 6.804, 313.955

**Protanomaly**  
60, 6.342, 301.195

**Deuteranomaly**  
60, 8.509, 320.529

**Tritanomaly**  
60, 6.804, 313.955

# Monochromacy



**Original Color**  
60, 6.804, 313.955

**Achromatopsia**  
61, 0.008, 296.813

**Achromatomaly**  
60, 2.399, 309.142

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 60, 6.804, 313.955 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(149, 142, 153)` looks like.

```
.text, #text, p{  
    color:rgb(149, 142, 153)  
}
```

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(149, 142, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 142, 153) }
```

## Border

The CSS property to change the border of an element to CIELCh 60, 6.804, 313.955 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(149, 142, 153) }
```

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

```
.border{ border-color:rgb(149, 142, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 142, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 142, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 142, 153);  
box-shadow:4px 4px 4px 4px rgb(149, 142,  
153) }
```

# Background

The CSS property to change the background color of an element to CIELCh 60, 6.804, 313.955 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 142, 153) }
```

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

```
.background{ background-color: rgb(149,  
142, 153) }
```

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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