

# Converting Colors

CIELCh(59, 20.687, 4.946)

Have a look what the booklet for  
CIELCh(59, 20.687, 4.946) contains.

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# Color

**CIELCh(59, 20.626, 4.365)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B2818C
RGB	178, 129, 140
RGB Percent	70%, 51%, 55%
CMY	0.3023, 0.4944, 0.4513
CMYK	0.00, 0.28, 0.21, 0.30
HSL	347°, 24%, 60%
HSV	347°, 28%, 70%
XYZ	30.9104, 27.0277, 28.3698
YIQ	144.9050, 25.6730, 13.8090

# Conversions

## Conversions Part 2

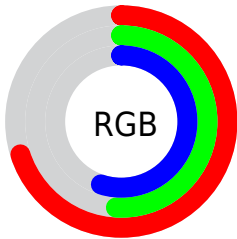
Format	Color
R <sub>Y</sub> B	178, 129, 140
Decimal	11698572
CIE Lab	59.00, 20.57, 1.57
CIE LCh	59, 20.626, 4.365
Yxy	27.0277, 0.3581, 0.3132
Android (android.graphics.Color)	4289888652 (0xFFB2818C)
YUV	144.9050, -2.4182, 29.0243
Hunter-Lab	51.9882, 15.1507, 4.0374

# Details

The CIELCh color **59, 20.626, 4.365** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **69, 18.587, 178.845**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **79, 20.505, 4.689**, and **39, 20.614, 4.004** is the 20% darker color. If you saturate the color by 10%, you get **54, 28.613, 5.868**, and if you desaturate by 10%, it is **64, 12.851, 3.114**.

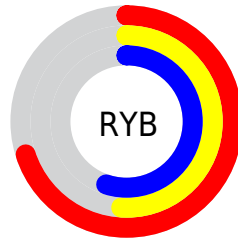
# Distribution



Red (70%)

Green (51%)

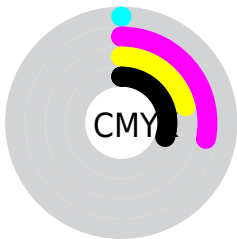
Blue (55%)



Red (70%)

Yellow (51%)

Blue (55%)

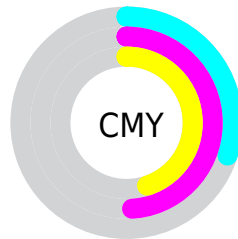


Cyan (0%)

Magenta (28%)

Yellow (21%)

Black (30%)



Cyan (30%)

Magenta (49%)

Yellow (45%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 59, 20.626, 4.365 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 59, 20.626, 4.365 by changing the saturation by 10% instead.



 59, 20.626, 4.365       59, 20.626, 4.365

 100, 20.626, 4.365       49, 20.626, 4.365

 79, 20.626, 4.365       39, 20.626, 4.365

 89, 20.626, 4.365       29, 20.626, 4.365

 99, 20.626, 4.365       19, 20.626, 4.365

 9, 20.626, 4.365

 0, 20.626, 4.365

 59, 20.626, 4.365       59, 20.626, 4.365

 54, 28.613, 5.868       64, 12.851, 3.114

 50, 36.653, 7.704       69, 5.391, 2.015

46, 44.494, 9.993

74, 1.713, 181.465

43, 51.826, 12.881

79, 8.454, 180.461

40, 58.344, 16.520

84, 14.841,  
179.740

38, 63.877, 21.005

89, 20.899,  
179.108

37, 68.564, 26.172

37, 69.741, 27.393

94, 26.654,  
178.541

95, 24.991,  
192.295

95, 24.573,  
197.902

# Harmonies

# Complementary

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



59, 20.626, 4.365



69, 18.587, 178.845

# Rectangle

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



59, 20.626, 4.365



59, 20.626, 54.365



59, 20.626, 184.365



59, 20.626, 234.365

# Sweetspot

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



59, 20.624, 4.369



87, 7.114, 2.080



59, 30.957, 318.987



46, 5.115, 2.241



96, 0.011, 296.813



49, 0.007, 296.813



# Same Dimension

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



59, 20.624, 4.369



72, 31.021, 5.239



62, 16.769, 46.236



35, 4.080, 2.207



32, 62.047, 26.658



2, 9.472, 5.303





# Inverse Universe

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



59, 20.624, 4.369



72, 31.021, 5.239



66, 14.118, 229.608



35, 4.080, 2.207



32, 62.047, 26.658

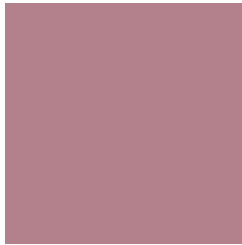


2, 9.472, 5.303



# Previews

## White Background



This preview shows how the CIELCh color 59, 20.626, 4.365 looks on a white background.

## Color Contrast Check

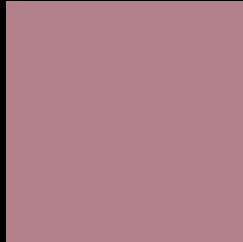
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

# Black Background



This preview shows how the CIELCh color 59, 20.626, 4.365 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

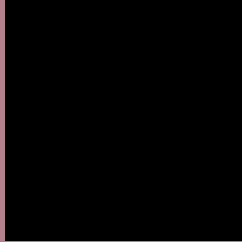
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# CIELCh 59, 20.626, 4.365

## Background



This preview shows how black text looks on a background with the CIELCh color 59, 20.626, 4.365.



This preview shows how white text looks on a background with the CIELCh color 59, 20.626, 4.365.

# 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

59, 20.626, 4.365

### Protanopia

59, 3.502, 303.249

### Deuteranopia

59, 7.605, 20.122



**Tritanopia**  
59, 20.519, 5.890



# Trichromacy



**Original Color**  
59, 20.626, 4.365

**Protanomaly**  
59, 8.476, 352.473

**Deuteranomaly**  
59, 12.256, 10.124

**Tritanomaly**  
59, 20.519, 5.890

# Monochromacy



**Original Color**  
59, 20.626, 4.365

**Achromatopsia**  
60, 0.008, 296.813

**Achromatomaly**  
60, 7.470, 2.591

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 59, 20.626, 4.365 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(178, 129, 140)` looks like.

```
.text, #text, p{  
    color:rgb(178, 129, 140)  
}
```

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(178, 129, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 129, 140) }
```

## Border

The CSS property to change the border of an element to CIELCh 59, 20.626, 4.365 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(178, 129, 140) }
```

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

```
.border{ border-color:rgb(178, 129, 140) }
```

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

Here you see how a box with a 4 pixel rgb(178, 129, 140) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 129, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 129, 140);  
box-shadow:4px 4px 4px 4px rgb(178, 129,  
140) }
```

# Background

The CSS property to change the background color of an element to CIELCh 59, 20.626, 4.365 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 129, 140) }
```

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

```
.background{ background-color: rgb(178,  
129, 140) }
```

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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