

# Converting Colors

CIELCh(59, 23.760, 300.523)

Have a look what the booklet for  
CIELCh(59, 23.760, 300.523)  
contains.

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# Color

**CIELCh(59, 24.190, 301.166)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9288B2
RGB	146, 136, 178
RGB Percent	57%, 53%, 70%
CMY	0.4265, 0.4658, 0.3010
CMYK	0.18, 0.24, 0.00, 0.30
HSL	254°, 21%, 62%
HSV	254°, 24%, 70%
XYZ	28.7905, 27.0277, 45.9433
YIQ	143.7780, -7.5220, 15.1820

# Conversions

## Conversions Part 2

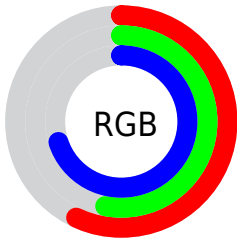
<b>Format</b>	<b>Color</b>
<b>RYB</b>	146, 136, 178
Decimal	9603250
CIELab	59.00, 12.52, -20.70
CIELCh	59, 24.190, 301.166
Yxy	27.0277, 0.2829, 0.2656
Android (android.graphics.Color)	4287793330 (0xFF9288B2)
YUV	143.7780, 16.8714, 1.9487
Hunter-Lab	51.9882, 7.8721, -16.0043

# Details

The CIELCh color  $59, 24.190, 301.166$  is a light color, and the websafe version is hex `9999CC`. A complement of this color would be  $71, 23.037, 117.965$ , and the grayscale version is  $60, 0.008, 296.813$ .

A 20% lighter version of the original color is  $79, 24.459, 301.060$ , and  $39, 24.241, 301.508$  is the 20% darker color. If you saturate the color by 10%, you get  $53, 35.082, 302.064$ , and if you desaturate by 10%, it is  $65, 13.673, 300.372$ .

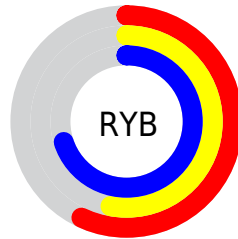
# Distribution



Red (57%)

Green (53%)

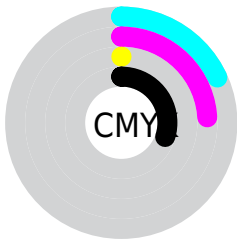
Blue (70%)



Red (57%)

Yellow (53%)

Blue (70%)

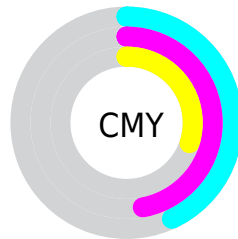


Cyan (18%)

Magenta (24%)

Yellow (0%)

Black (30%)



Cyan (43%)

Magenta (47%)

Yellow (30%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 59, 24.190, 301.166 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, 24.190, 301.166 by changing the saturation by 10% instead.



■ 59, 24.190,  
301.166

■ 59, 24.190,  
301.166

■ 100, 24.190,  
301.166

■ 49, 24.190,  
301.166

■ 79, 24.190,  
301.166

■ 39, 24.190,  
301.166

■ 89, 24.190,  
301.166

■ 29, 24.190,  
301.166

■ 99, 24.190,  
301.166

■ 19, 24.190,  
301.166

■ 9, 24.190, 301.166

■ 0, 24.190, 301.166

59, 24.190,  
301.166

59, 24.190,  
301.166

53, 35.082,  
302.064

65, 13.673,  
300.372

47, 46.317,  
303.066

71, 3.537, 299.674

76, 6.233, 119.084

42, 57.787,  
304.149

82, 15.654,  
118.563

36, 69.246,  
305.263

88, 24.749,  
118.115

32, 80.198,  
306.309

93, 33.536,  
117.730

27, 89.779,  
307.128

97, 38.912,  
115.007

24, 96.819,  
307.516

98, 38.512,  
107.317

23, 100.198,

307.632

 98, 38.511,  
107.240

# Harmonies

# Complementary

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



59, 24.190, 301.166



71, 23.037, 117.965

# Rectangle

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



59, 24.190, 301.166



59, 24.190, 351.166



59, 24.190, 121.166



59, 24.190, 171.166

# Sweetspot

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



59, 24.189, 301.165



87, 8.642, 299.913



67, 12.335, 224.768



46, 5.666, 299.953



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, 24.189, 301.165



72, 35.931, 301.594



61, 26.274, 317.775



35, 5.670, 300.065



19, 89.412, 307.726



1, 13.445, 297.371



# Inverse Universe

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



62, 23.921, 333.430



76, 35.214, 333.776



69, 25.878, 135.677



35, 5.718, 332.458



34, 65.898, 340.345



2, 12.871, 335.517



# Previews

## White Background



This preview shows how the CIELCh color 59, 24.190, 301.166 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 59, 24.190, 301.166 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, 24.190, 301.166

## Background



This preview shows how black text looks on a background with the CIELCh color 59, 24.190, 301.166.



This preview shows how white text looks on a background with the CIELCh color 59, 24.190, 301.166.

# 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, 24.190, 301.166

### Protanopia

59, 23.330, 286.114

### Deuteranopia

59, 22.126, 290.874





**Tritanopia**  
59, 6.257, 294.361

# Trichromacy



**Original Color**  
59, 24.190, 301.166

**Protanomaly**  
59, 23.255, 291.092

**Deuteranomaly**  
59, 22.740, 294.474

**Tritanomaly**  
59, 13.220, 299.655

# Monochromacy



**Original Color**  
59, 24.190, 301.166

**Achromatopsia**  
60, 0.008, 296.813

**Achromatomaly**  
59, 8.657, 301.132

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 59, 24.190, 301.166 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(146, 136, 178)` looks like.

```
.text, #text, p{  
    color:rgb(146, 136, 178)  
}
```

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(146, 136, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 136, 178) }
```

## Border

The CSS property to change the border of an element to CIELCh 59, 24.190, 301.166 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(146, 136, 178) }
```

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

```
.border{ border-color:rgb(146, 136, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 136, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 136, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 136, 178);  
box-shadow:4px 4px 4px 4px rgb(146, 136,  
178) }
```

# Background

The CSS property to change the background color of an element to CIELCh 59, 24.190, 301.166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 136, 178) }
```

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

```
.background{ background-color: rgb(146,  
136, 178) }
```

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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