

# Converting Colors

CIELCh(64, 27.109, 309.571)

Have a look what the booklet for  
CIELCh(64, 27.109, 309.571)  
contains.

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# **Color**

**CIELCh(64, 26.963, 309.466)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A892C0
RGB	168, 146, 192
RGB Percent	66%, 57%, 75%
CMY	0.3402, 0.4265, 0.2461
CMYK	0.12, 0.24, 0.00, 0.25
HSL	269°, 27%, 66%
HSV	269°, 24%, 75%
XYZ	36.0604, 32.8017, 54.4481
YIQ	157.8220, -1.6540, 18.9700

# Conversions

## Conversions Part 2

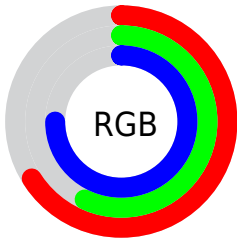
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	168, 146, 192
Decimal	11047616
CIE <sub>Lab</sub>	64.00, 17.14, -20.82
CIE <sub>LCh</sub>	64, 26.963, 309.466
Yxy	32.8017, 0.2924, 0.2660
Android (android.graphics.Color)	4289237696 (0xFFA892C0)
YUV	157.8220, 16.8498, 8.9261
Hunter-Lab	57.2727, 12.1610, -16.2749

# Details

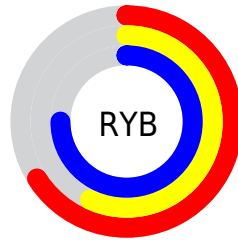
The CIELCh color  $64, 26.963, 309.466$  is a light color, and the websafe version is hex  $9999CC$ . A complement of this color would be  $75, 26.052, 127.199$ , and the grayscale version is  $65, 0.008, 296.813$ .

A 20% lighter version of the original color is  $84, 27.261, 309.648$ , and  $44, 26.950, 309.380$  is the 20% darker color. If you saturate the color by 10%, you get  $58, 38.700, 310.018$ , and if you desaturate by 10%, it is  $70, 15.479, 308.946$ .

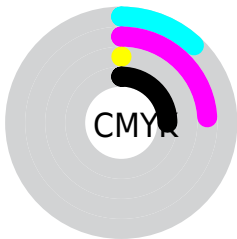
# Distribution



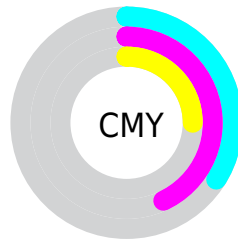
- Red (66%)
- Green (57%)
- Blue (75%)



- Red (66%)
- Yellow (57%)
- Blue (75%)



- Cyan (12%)
- Magenta (24%)
- Yellow (0%)
- Black (25%)



- Cyan (34%)
- Magenta (43%)
- Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 26.963, 309.466 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 64, 26.963, 309.466 by changing the saturation by 10% instead.



 64, 26.963,  
309.466

 64, 26.963,  
309.466

 100, 26.963,  
309.466

 54, 26.963,  
309.466

 84, 26.963,  
309.466

 44, 26.963,  
309.466

 94, 26.963,  
309.466

 34, 26.963,  
309.466

 24, 26.963,  
309.466

 14, 26.963,  
309.466

 4, 26.963, 309.466

 0, 26.963, 309.466

64, 26.963,  
309.466

64, 26.963,  
309.466

58, 38.700,  
310.018

70, 15.479,  
308.946

53, 50.578,  
310.585

76, 4.309, 308.455

81, 6.524, 128.070

47, 62.384,  
311.135

87, 17.019,  
127.680

42, 73.756,  
311.613

93, 27.182,  
127.343

38, 84.126,  
311.940

97, 33.256,  
125.129

34, 92.725,  
312.006


97, 32.268,  
118.897

31, 98.739,  
311.693

98, 31.705,  
112.236

30, 101.403,

311.383

 99, 31.590,  
107.774

# Harmonies

# Complementary

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



64, 26.963, 309.466



75, 26.052, 127.199

# Rectangle

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



64, 26.963, 309.466



64, 26.963, 359.466



64, 26.963, 129.466



64, 26.963, 179.466

# Sweetspot

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



64, 26.961, 309.465



93, 9.530, 308.611



69, 14.264, 255.162



49, 6.196, 308.641



99, 0.012, 296.813



52, 0.007, 296.813





# Same Dimension

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



64, 26.961, 309.465



78, 40.711, 309.768



66, 30.146, 324.789



38, 6.298, 308.721



24, 88.640, 311.534



2, 20.142, 304.595



# Inverse Universe

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



66, 21.958, 344.573



80, 33.004, 345.141



74, 30.089, 142.053



38, 5.166, 343.215



34, 60.313, 359.482

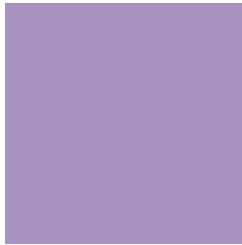


3, 16.028, 351.027



# Previews

## White Background



This preview shows how the CIELCh color 64, 26.963, 309.466 looks on a white background.

## Color Contrast Check

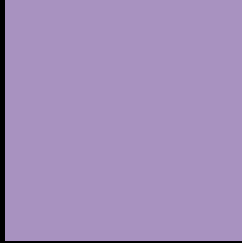
Large Text (above 18pt) WCAG AA × Fail

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 64, 26.963, 309.466 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

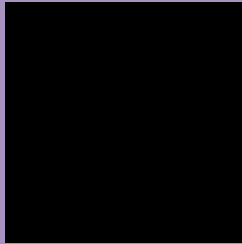
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**CIELCh 64, 26.963, 309.466**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 64, 26.963, 309.466.



This preview shows how white text looks on a background with the CIELCh color 64, 26.963, 309.466.

# 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

64, 26.963, 309.466


### Protanopia

64, 24.106, 284.732

### Deuteranopia

64, 21.776, 292.472





**Tritanopia**  
64, 7.680, 327.151

# Trichromacy



**Original Color**  
64, 26.963, 309.466

**Protanomaly**  
64, 24.602, 294.345

**Deuteranomaly**  
64, 23.136, 299.482

**Tritanomaly**  
64, 14.712, 315.229

# Monochromacy



**Original Color**  
64, 26.963, 309.466

**Achromatopsia**  
65, 0.008, 296.813

**Achromatomaly**  
65, 9.439, 309.472

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 64, 26.963, 309.466 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(168, 146, 192)` looks like.

```
.text, #text, p{  
    color:rgb(168, 146, 192)  
}
```

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(168, 146, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 146, 192) }
```

## Border

The CSS property to change the border of an element to CIELCh 64, 26.963, 309.466 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(168, 146, 192) }
```

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

```
.border{ border-color:rgb(168, 146, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 146, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 146, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 146, 192);  
box-shadow:4px 4px 4px 4px rgb(168, 146,  
192) }
```

# Background

The CSS property to change the background color of an element to CIELCh 64, 26.963, 309.466 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 146, 192) }
```

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

```
.background{ background-color: rgb(168,  
146, 192) }
```

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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