

# Converting Colors

CIELCh(66, 25.511, 312.624)

Have a look what the booklet for  
CIELCh(66, 25.511, 312.624)  
contains.

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# Color

**CIELCh(66, 25.580, 312.824)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B097C2
RGB	176, 151, 194
RGB Percent	69%, 59%, 76%
CMY	0.3093, 0.4073, 0.2387
CMYK	0.09, 0.22, 0.00, 0.24
HSL	275°, 26%, 68%
HSV	275°, 22%, 76%
XYZ	38.7771, 35.3238, 55.8954
YIQ	163.3770, 1.0970, 18.6730

# Conversions

## Conversions Part 2

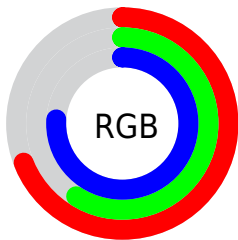
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	176, 151, 194
Decimal	11573186
CIE Lab	66.00, 17.39, -18.76
CIE LCh	66, 25.580, 312.824
Yxy	35.3238, 0.2983, 0.2717
Android (android.graphics.Color)	4289763266 (0xFFB097C2)
YUV	163.3770, 15.0971, 11.0704
Hunter-Lab	59.4338, 12.4515, -14.1565

# Details

The CIELCh color  $66, 25.580, 312.824$  is a light color, and the websafe version is hex  $9999CC$ . A complement of this color would be  $76, 24.958, 130.885$ , and the grayscale version is  $67, 0.008, 296.813$ .

A 20% lighter version of the original color is  $86, 25.997, 312.843$ , and  $46, 25.389, 312.883$  is the 20% darker color. If you saturate the color by 10%, you get  $60, 37.489, 313.296$ , and if you desaturate by 10%, it is  $72, 13.866, 312.364$ .

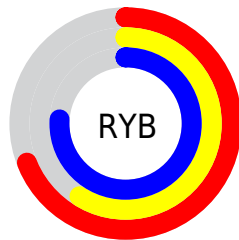
# Distribution



Red (69%)

Green (59%)

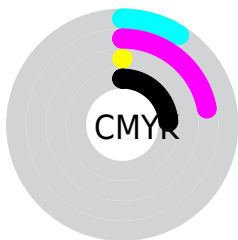
Blue (76%)



Red (69%)

Yellow (59%)

Blue (76%)

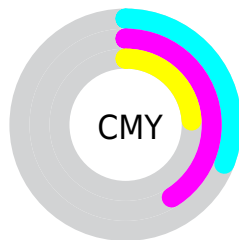


Cyan (9%)

Magenta (22%)

Yellow (0%)

Black (24%)



Cyan (31%)

Magenta (41%)


Yellow (24%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 25.580, 312.824 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 66, 25.580, 312.824 by changing the saturation by 10% instead.





 66, 25.580,  
312.824


 66, 25.580,  
312.824


 100, 25.580,  
312.824


 56, 25.580,  
312.824


 86, 25.580,  
312.824

 46, 25.580,  
312.824

 96, 25.580,  
312.824

 36, 25.580,  
312.824

 26, 25.580,  
312.824

 16, 25.580,  
312.824

 6, 25.580, 312.824

 0, 25.580, 312.824

66, 25.580,  
312.824

66, 25.580,  
312.824

60, 37.489,  
313.296

72, 13.866,  
312.364

55, 49.457,  
313.765

77, 2.428, 311.890

83, 8.696, 131.573

50, 61.246,  
314.199

89, 19.493,  
131.208

45, 72.482,  
314.549

94, 29.964,  
130.887

41, 82.619,  
314.749

97, 32.805,  
127.768

37, 90.969,  
314.713

97, 31.846,  
122.799

34, 96.843,  
314.348

98, 31.149,  
117.477

33, 99.909,

313.868

 98, 30.747,  
111.884

# Harmonies

# Complementary

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



66, 25.580, 312.824



76, 24.958, 130.885

# Rectangle

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



66, 25.580, 312.824



66, 25.580, 2.824



66, 25.580, 132.824



66, 25.580, 182.824

# Sweetspot

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



66, 25.578, 312.823



94, 9.826, 312.138



69, 14.664, 265.566



50, 6.441, 312.166



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

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



66, 25.578, 312.823



80, 38.801, 313.072



68, 27.138, 327.526



38, 6.438, 312.240



26, 86.722, 314.023



2, 20.541, 308.353



# Inverse Universe

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



67, 19.222, 350.391



82, 29.147, 350.997



75, 27.108, 144.821



38, 4.831, 349.064



34, 59.835, 9.269

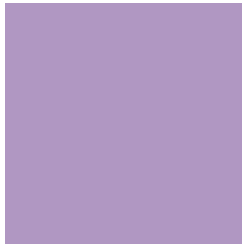


3, 15.215, 357.107



# Previews

## White Background



This preview shows how the CIELCh color 66, 25.580, 312.824 looks on a white background.

## Color Contrast Check

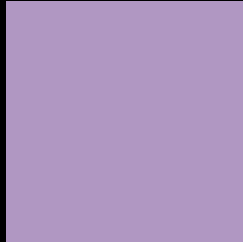
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the CIE LCh color 66, 25.580, 312.824 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 66, 25.580, 312.824**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 66, 25.580, 312.824.



This preview shows how white text looks on a background with the CIELCh color 66, 25.580, 312.824.

# 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

66, 25.580, 312.824


### Protanopia

66, 22.809, 285.732

### Deuteranopia

66, 20.031, 295.225





**Tritanopia**  
66, 9.035, 332.903

# Trichromacy



**Original Color**  
66, 25.580, 312.824

**Protanomaly**  
66, 23.392, 295.934

**Deuteranomaly**  
66, 21.525, 302.673

**Tritanomaly**  
66, 15.300, 320.391

# Monochromacy



**Original Color**  
66, 25.580, 312.824

**Achromatopsia**  
67, 0.008, 296.813

**Achromatomaly**  
67, 9.511, 311.592

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 66, 25.580, 312.824 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(176, 151, 194)` looks like.

```
.text, #text, p{  
    color:rgb(176, 151, 194)  
}
```

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(176, 151, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 151, 194) }
```

## Border

The CSS property to change the border of an element to CIELCh 66, 25.580, 312.824 is called "border". The border property can be set on classes, ids or directly on the HTML element.

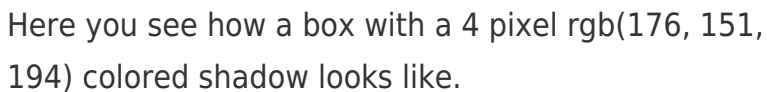
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(176, 151, 194) }
```

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

```
.border{ border-color:rgb(176, 151, 194) }
```

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



Here you see how a box with a 4 pixel `rgb(176, 151, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 151, 194); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 151, 194); box-shadow:4px 4px 4px 4px rgb(176, 151, 194) }
```

# Background

The CSS property to change the background color of an element to CIELCh 66, 25.580, 312.824 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 151, 194) }
```

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

```
.background{ background-color: rgb(176,  
151, 194) }
```

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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