

# Converting Colors

CIELCh(66, 16.959, 335.197)

Have a look what the booklet for  
CIELCh(66, 16.959, 335.197)  
contains.

<b>CIELCh(66, 17.179, 336.002)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	21
<b><i>Color Blindness Simulation</i></b> .....	24
<b><i>CSS Examples</i></b> .....	27

# **Color**

**CIELCh(66, 17.179, 336.002)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B797AD
RGB	183, 151, 173
RGB Percent	72%, 59%, 68%
CMY	0.2815, 0.4070, 0.3207
CMYK	0.00, 0.17, 0.05, 0.28
HSL	319°, 18%, 66%
HSV	319°, 17%, 72%
XYZ	38.2481, 35.3238, 44.4502
YIQ	163.0760, 12.0100, 13.6260

# Conversions

## Conversions Part 2

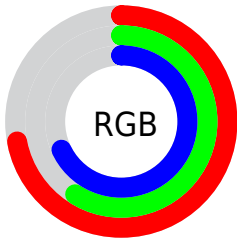
<b>Format</b>	<b>Color</b>
<b>RYB</b>	183, 151, 173
Decimal	12031917
CIELab	66.00, 15.69, -6.99
CIELCh	66, 17.179, 336.002
Yxy	35.3238, 0.3241, 0.2993
Android (android.graphics.Color)	4290221997 (0xFFB797AD)
YUV	163.0760, 4.8925, 17.4733
Hunter-Lab	59.4338, 10.8628, -2.7390

# Details

The CIELCh color  $66, 17.179, 336.002$  is a light color, and the websafe version is hex  $CC9999$ . A complement of this color would be  $72, 17.041, 153.521$ , and the grayscale version is  $67, 0.008, 296.813$ .

A 20% lighter version of the original color is  $86, 17.196, 336.246$ , and  $46, 17.331, 335.845$  is the 20% darker color. If you saturate the color by 10%, you get  $61, 27.087, 336.775$ , and if you desaturate by 10%, it is  $71, 7.293, 335.262$ .

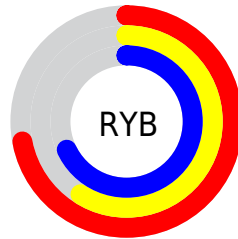
# Distribution



Red (72%)

Green (59%)

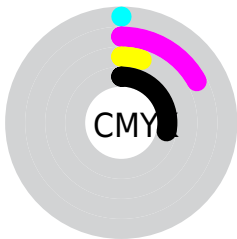
Blue (68%)



Red (72%)

Yellow (59%)

Blue (68%)

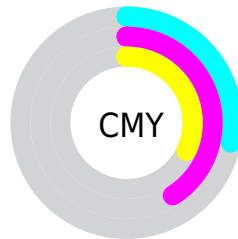


Cyan (0%)

Magenta (17%)

Yellow (5%)

Black (28%)



Cyan (28%)

Magenta (41%)


Yellow (32%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 17.179, 336.002 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, 17.179, 336.002 by changing the saturation by 10% instead.





 66, 17.179,  
336.002


 66, 17.179,  
336.002


 100, 17.179,  
336.002


 56, 17.179,  
336.002


 86, 17.179,  
336.002

 46, 17.179,  
336.002

 96, 17.179,  
336.002

 36, 17.179,  
336.002

 26, 17.179,  
336.002

 16, 17.179,  
336.002

 6, 17.179, 336.002

 0, 17.179, 336.002

66, 17.179,  
336.002

66, 17.179,  
336.002

61, 27.087,  
336.775

71, 7.293, 335.262

57, 36.821,  
337.600

76, 2.437, 154.766

81, 11.936,  
154.029

53, 46.090,  
338.495

86, 21.165,  
153.422

49, 54.507,  
339.483

91, 30.110,  
152.858

46, 61.613,  
340.599

94, 35.158,  
153.584

44, 66.943,  
341.896


94, 33.042,  
157.063


42, 70.156,  
343.446

95, 31.039,  
160.981

41, 71.287,

345.312

 95, 29.175,  
165.398

 41, 71.459,  
345.808

# Harmonies

# Complementary

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



66, 17.179, 336.002



72, 17.041, 153.521

# Rectangle

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



66, 17.179, 336.002



66, 17.179, 26.002



66, 17.179, 156.002



66, 17.179, 206.002

# Sweetspot

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



66, 17.177, 336.003



91, 6.010, 335.077



64, 18.255, 302.883



48, 4.136, 335.133



97, 0.011, 296.813



50, 0.007, 296.813





# Same Dimension

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



66, 17.177, 336.003



81, 25.510, 336.297



66, 13.009, 4.941



36, 5.550, 335.402



34, 63.472, 345.514



3, 13.917, 340.023



# Inverse Universe

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



66, 17.177, 336.003



81, 25.510, 336.297



72, 12.139, 181.724



36, 5.550, 335.402



34, 63.472, 345.514

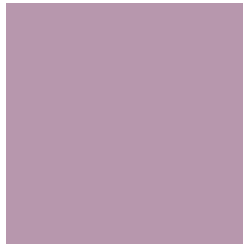


3, 13.917, 340.023



# Previews

## White Background



This preview shows how the CIELCh color 66, 17.179, 336.002 looks on a white background.

## Color Contrast Check

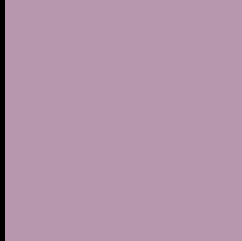
Large Text (above 18pt) WCAG AA × Fail

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 66, 17.179, 336.002 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

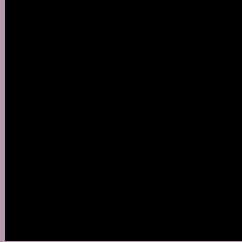
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 66, 17.179, 336.002

## Background



This preview shows how black text looks on a background with the CIELCh color 66, 17.179, 336.002.



This preview shows how white text looks on a background with the CIELCh color 66, 17.179, 336.002.

# 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, 17.179, 336.002

### Protanopia

66, 10.540, 289.311

### Deuteranopia

66, 10.552, 323.201





**Tritanopia**  
66, 12.983, 350.014

# Trichromacy



**Original Color**  
66, 17.179, 336.002

**Protanomaly**  
66, 11.878, 311.271

**Deuteranomaly**  
66, 12.775, 329.295

**Tritanomaly**  
66, 14.490, 343.236

# Monochromacy



**Original Color**  
66, 17.179, 336.002

**Achromatopsia**  
67, 0.008, 296.813

**Achromatomaly**  
67, 6.112, 333.579

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 66, 17.179, 336.002 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(183, 151, 173)` looks like.

```
.text, #text, p{  
    color:rgb(183, 151, 173)  
}
```

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(183, 151, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 151, 173) }
```

## Border

The CSS property to change the border of an element to CIELCh 66, 17.179, 336.002 is called "border". The border property can be set on classes, ids or directly on the HTML element.

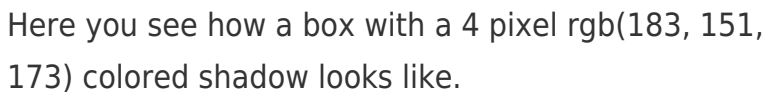
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(183, 151, 173) }
```

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

```
.border{ border-color:rgb(183, 151, 173) }
```

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



Here you see how a box with a 4 pixel `rgb(183, 151, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(183, 151, 173); -webkit-box-shadow:4px 4px 4px 4px rgb(183, 151, 173); box-shadow:4px 4px 4px 4px rgb(183, 151, 173) }
```

# Background

The CSS property to change the background color of an element to CIELCh 66, 17.179, 336.002 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 151, 173) }
```

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

```
.background{ background-color: rgb(183,  
151, 173) }
```

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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