

# Converting Colors

CIELCh(71, 50.488, 304.808)

Have a look what the booklet for  
CIELCh(71, 50.488, 304.808)  
contains.

<b>CIELCh(71, 50.120, 304.743)</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(71, 50.120, 304.743)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BB9FF9
RGB	187, 159, 249
RGB Percent	73%, 62%, 98%
CMY	0.2668, 0.3766, 0.0236
CMYK	0.25, 0.36, 0.00, 0.02
HSL	259°, 88%, 80%
HSV	259°, 36%, 98%
XYZ	49.9762, 42.1875, 95.1103
YIQ	177.6320, -12.2020, 33.9260

# Conversions

## Conversions Part 2

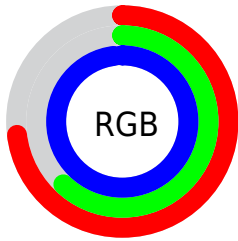
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	187, 159, 249
Decimal	12296185
CIE <sub>Lab</sub>	71.00, 28.56, -41.18
CIE <sub>LCh</sub>	71, 50.120, 304.743
Yxy	42.1875, 0.2669, 0.2253
Android (android.graphics.Color)	4290486265 (0xFFBB9FF9)
YUV	177.6320, 35.1844, 8.2157
Hunter-Lab	64.9519, 23.6781, -41.3532

# Details

The CIELCh color **71, 50.120, 304.743** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **94, 46.528, 120.141**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **89, 23.837, 317.413**, and **51, 50.211, 304.867** is the 20% darker color. If you saturate the color by 10%, you get **64, 64.921, 305.618**, and if you desaturate by 10%, it is **78, 35.657, 303.936**.

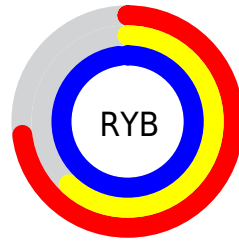
# Distribution



Red (73%)

Green (62%)

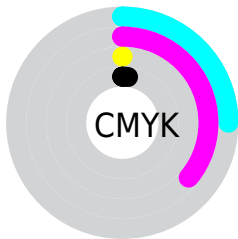
Blue (98%)



Red (73%)

Yellow (62%)

Blue (98%)

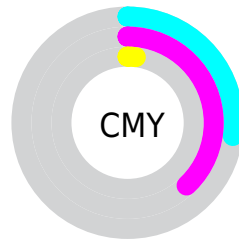


Cyan (25%)

Magenta (36%)

Yellow (0%)

Black (2%)



Cyan (27%)

Magenta (38%)


Yellow (2%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 50.120, 304.743 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 71, 50.120, 304.743 by changing the saturation by 10% instead.





 71, 50.120,  
304.743


 71, 50.120,  
304.743


 100, 50.120,  
304.743


 61, 50.120,  
304.743


 91, 50.120,  
304.743

 51, 50.120,  
304.743

 41, 50.120,  
304.743

 31, 50.120,  
304.743

 21, 50.120,  
304.743

 11, 50.120,  
304.743

 1, 50.120, 304.743

0, 50.120, 304.743

71, 50.120,  
304.743

71, 50.120,  
304.743

64, 64.921,  
305.618

78, 35.657,  
303.936

57, 79.833,  
306.526

86, 21.639,  
303.210

50, 94.385,  
307.398

93, 8.097, 302.564

44, 107.736,  
308.119

100, 3.044,  
109.925

39, 118.618,  
308.518

36, 125.651,  
308.420

■ 35,127.562,  
308.305

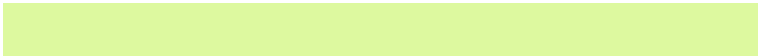
# Harmonies

# Complementary

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



71, 50.120, 304.743



94, 46.528, 120.141

# Rectangle

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



71, 50.120, 304.743



71, 50.120, 354.743



71, 50.120, 124.743



71, 50.120, 174.743

# Sweetspot

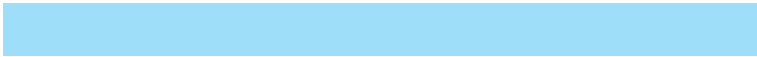
The Sweet Spot groups the original color and five complimentary colors.



71, 50.118, 304.743



92, 14.896, 302.869



85, 23.660, 235.498



48, 10.032, 302.957



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

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



71, 50.118, 304.743



67, 61.421, 305.342



75, 53.854, 320.414



48, 7.553, 302.773



26, 103.371, 308.460



4, 42.865, 307.518



# Inverse Universe

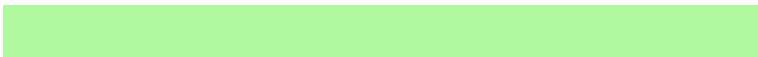
The Inverse Universe completely reimagines the original color for something new.



76, 45.635, 337.481



74, 54.962, 338.097



91, 53.001, 136.811



49, 7.162, 335.366



42, 73.077, 345.747

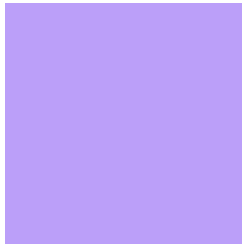


10, 33.914, 342.892



# Previews

## White Background



This preview shows how the CIELCh color 71, 50.120, 304.743 looks on a white background.

## Color Contrast Check

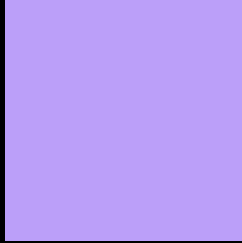
Large Text (above 18pt) WCAG AA × Fail

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 71, 50.120, 304.743 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

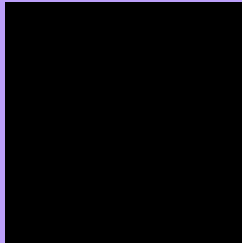
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 71, 50.120, 304.743

## Background



This preview shows how black text looks on a background with the CIELCh color 71, 50.120, 304.743.



This preview shows how white text looks on a background with the CIELCh color 71, 50.120, 304.743.

# 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

71, 50.120, 304.743


### Protanopia

71, 46.073, 285.557

### Deuteranopia

71, 40.745, 283.578





**Tritanopia**  
71, 7.750, 299.051

# Trichromacy



**Original Color**  
71, 50.120, 304.743

**Protanomaly**  
71, 46.942, 292.430

**Deuteranomaly**  
71, 43.704, 292.340

**Tritanomaly**  
71, 23.451, 302.578

# Monochromacy



**Original Color**  
71, 50.120, 304.743

**Achromatopsia**  
73, 0.009, 296.813

**Achromatomaly**  
72, 18.418, 302.910

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 71, 50.120, 304.743 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(187, 159, 249)` looks like.

```
.text, #text, p{  
    color:rgb(187, 159, 249)  
}
```

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(187, 159, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 159, 249) }
```

## Border

The CSS property to change the border of an element to CIELCh 71, 50.120, 304.743 is called "border". The border property can be set on classes, ids or directly on the HTML element.

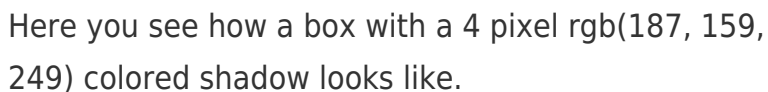
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(187, 159, 249) }
```

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

```
.border{ border-color:rgb(187, 159, 249) }
```

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



Here you see how a box with a 4 pixel `rgb(187, 159, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(187, 159, 249); -webkit-box-shadow:4px 4px 4px 4px rgb(187, 159, 249); box-shadow:4px 4px 4px 4px rgb(187, 159, 249) }
```

# Background

The CSS property to change the background color of an element to CIELCh 71, 50.120, 304.743 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 159, 249) }
```

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

```
.background{ background-color: rgb(187,  
159, 249) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor