

# Converting Colors

CIELCh(71, 12.994, 292.479)

Have a look what the booklet for  
CIELCh(71, 12.994, 292.479)  
contains.

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# Color

**CIELCh(71, 13.118, 291.466)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	ACACC4
RGB	172, 172, 196
RGB Percent	67%, 67%, 77%
CMY	0.3260, 0.3260, 0.2319
CMYK	0.12, 0.12, 0.00, 0.23
HSL	240°, 17%, 72%
HSV	240°, 12%, 77%
XYZ	41.6577, 42.1875, 58.0881
YIQ	174.7360, -7.7040, 7.4640

# Conversions

## Conversions Part 2

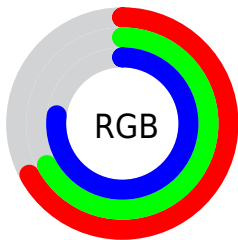
<b>Format</b>	<b>Color</b>
<b>RYB</b>	172, 172, 196
Decimal	11316420
CIELab	71.00, 4.80, -12.21
CIELCh	71, 13.118, 291.466
Yxy	42.1875, 0.2935, 0.2972
Android (android.graphics.Color)	4289506500 (0xFFACACC4)
YUV	174.7360, 10.4832, -2.3995
Hunter-Lab	64.9519, 0.8173, -7.5582

# Details

The CIELCh color **71, 13.118, 291.466** is a light color, and the websafe version is hex **999999**. A complement of this color would be **79, 12.756, 108.997**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 13.497, 291.260**, and **51, 12.835, 291.804** is the 20% darker color. If you saturate the color by 10%, you get **64, 24.312, 292.719**, and if you desaturate by 10%, it is **78, 2.370, 290.417**.

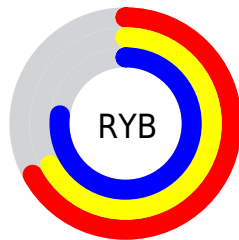
# Distribution



Red (67%)

Green (67%)

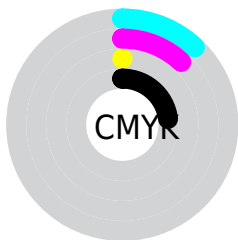
Blue (77%)



Red (67%)

Yellow (67%)

Blue (77%)

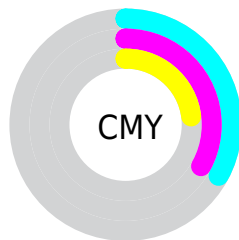


Cyan (12%)

Magenta (12%)

Yellow (0%)

Black (23%)



Cyan (33%)

Magenta (33%)


Yellow (23%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 13.118, 291.466 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 71, 13.118, 291.466 by changing the saturation by 10% instead.





 71, 13.118,  
291.466


 71, 13.118,  
291.466


 100, 13.118,  
291.466


 61, 13.118,  
291.466


 91, 13.118,  
291.466


 51, 13.118,  
291.466

 41, 13.118,  
291.466

 31, 13.118,  
291.466

 21, 13.118,  
291.466

 11, 13.118,  
291.466

 1, 13.118, 291.466

0, 13.118, 291.466

71, 13.118,  
291.466

71, 13.118,  
291.466

64, 24.312,  
292.719

78, 2.370, 290.417

84, 7.961, 109.477

58, 35.990,  
294.198

91, 17.908,  
108.711

51, 48.169,  
295.921

97, 27.500,  
108.054

45, 60.814,  
297.887

99, 29.798,  
107.912

38, 73.741,  
300.043

33, 86.417,  
302.242

■ 28, 97.696,  
304.216

■ 25, 105.821,  
305.623

■ 24, 109.709,  
306.286

# Harmonies

# Complementary

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



71, 13.118, 291.466



79, 12.756, 108.997

# Rectangle

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



71, 13.118, 291.466



71, 13.118, 341.466



71, 13.118, 111.466



71, 13.118, 161.466

# Sweetspot

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



71, 13.116, 291.462



97, 5.227, 290.586



77, 8.558, 197.367



51, 3.719, 290.661



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, 13.116, 291.462



88, 20.014, 291.816



72, 13.799, 309.038



37, 5.984, 291.137



18, 94.718, 306.286



1, 19.478, 291.132



# Inverse Universe

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



72, 9.232, 20.141



90, 14.168, 20.388



78, 13.560, 127.942



38, 4.187, 19.912



33, 73.723, 39.719

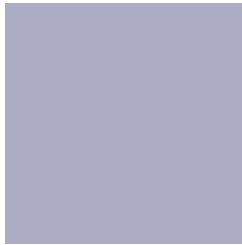


3, 13.999, 19.399



# Previews

## White Background



This preview shows how the CIELCh color 71, 13.118, 291.466 looks on a white background.

## Color Contrast Check

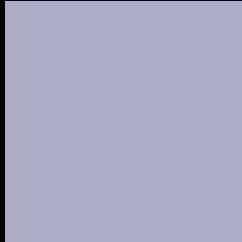
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the CIE LCh color 71, 13.118, 291.466 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

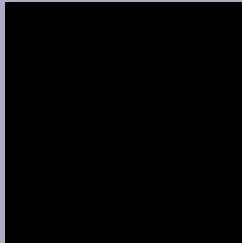
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

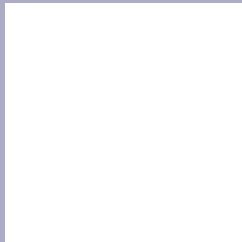
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 71, 13.118, 291.466

## Background



This preview shows how black text looks on a background with the CIELCh color 71, 13.118, 291.466.



This preview shows how white text looks on a background with the CIELCh color 71, 13.118, 291.466.

# 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

71, 13.118, 291.466


### Protanopia

71, 13.126, 288.383

### Deuteranopia

71, 15.351, 306.467





**Tritanopia**  
71, 7.708, 282.852

# Trichromacy



**Original Color**  
71, 13.118, 291.466

**Protanomaly**  
71, 13.117, 289.922

**Deuteranomaly**  
71, 14.485, 301.488

**Tritanomaly**  
71, 9.302, 286.666

# Monochromacy



**Original Color**  
71, 13.118, 291.466

**Achromatopsia**  
71, 0.009, 296.813

**Achromatomaly**  
71, 4.915, 290.672

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 71, 13.118, 291.466 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(172, 172, 196)` looks like.

```
.text, #text, p{  
    color:rgb(172, 172, 196)  
}
```

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(172, 172, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 172, 196) }
```

## Border

The CSS property to change the border of an element to CIELCh 71, 13.118, 291.466 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(172, 172, 196) }
```

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

```
.border{ border-color:rgb(172, 172, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 172, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 172, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 172, 196);  
box-shadow:4px 4px 4px 4px rgb(172, 172,  
196) }
```

# Background

The CSS property to change the background color of an element to CIELCh 71, 13.118, 291.466 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 172, 196) }
```

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

```
.background{ background-color: rgb(172,  
172, 196) }
```

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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