

# Converting Colors

CIELCh(71, 13.698, 302.972)

Have a look what the booklet for  
CIELCh(71, 13.698, 302.972)  
contains.

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# Color

**CIELCh(71, 14.020, 303.295)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B2AAC3
RGB	178, 170, 195
RGB Percent	70%, 67%, 76%
CMY	0.3017, 0.3331, 0.2350
CMYK	0.09, 0.13, 0.00, 0.24
HSL	259°, 17%, 72%
HSV	259°, 13%, 76%
XYZ	42.6178, 42.1875, 57.5640
YIQ	175.2420, -3.2570, 9.4710

# Conversions

## Conversions Part 2

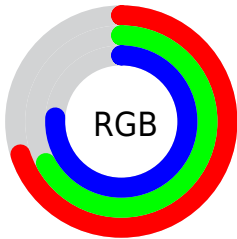
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	178, 170, 195
Decimal	11709123
CIE Lab	71.00, 7.70, -11.72
CIE LCh	71, 14.020, 303.295
Yxy	42.1875, 0.2993, 0.2963
Android (android.graphics.Color)	4289899203 (0xFFB2AAC3)
YUV	175.2420, 9.7407, 2.4188
Hunter-Lab	64.9519, 3.4559, -7.0797

# Details

The CIELCh color  $71, 14.020, 303.295$  is a light color, and the websafe version is hex `9999CC`. A complement of this color would be  $78, 13.686, 121.847$ , and the grayscale version is  $72, 0.009, 296.813$ .

A 20% lighter version of the original color is  $91, 14.408, 303.656$ , and  $51, 13.738, 302.936$  is the 20% darker color. If you saturate the color by 10%, you get  $65, 25.387, 303.967$ , and if you desaturate by 10%, it is  $77, 3.034, 302.684$ .

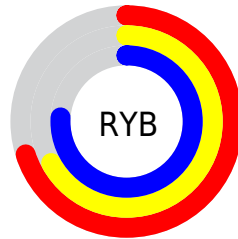
# Distribution



Red (70%)

Green (67%)

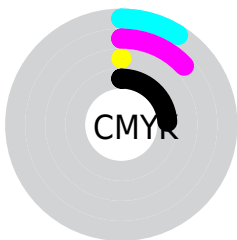
Blue (76%)



Red (70%)

Yellow (67%)

Blue (76%)

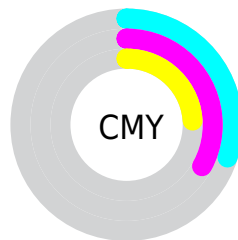


Cyan (9%)

Magenta (13%)

Yellow (0%)

Black (24%)



Cyan (30%)

Magenta (33%)


Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the CIELCh color 71, 14.020, 303.295 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, 14.020, 303.295 by changing the saturation by 10% instead.





 71, 14.020,  
303.295


 71, 14.020,  
303.295


 100, 14.020,  
303.295


 61, 14.020,  
303.295


 91, 14.020,  
303.295

 51, 14.020,  
303.295

 41, 14.020,  
303.295

 31, 14.020,  
303.295

 21, 14.020,  
303.295

 11, 14.020,  
303.295

 1, 14.020, 303.295

0, 14.020, 303.295

71, 14.020,  
303.295

71, 14.020,  
303.295

65, 25.387,  
303.967

77, 3.034, 302.684

83, 7.571, 122.190

59, 37.124,  
304.719

89, 17.810,  
121.734

53, 49.170,  
305.540

95, 27.702,  
121.342

47, 61.385,  
306.406

98, 30.496,  
115.414

41, 73.481,  
307.266

99, 30.194,  
107.882

36, 84.925,  
308.029

■ 32, 94.852,  
308.556

■ 28, 102.153,  
308.675

■ 27, 105.823,  
308.559

# Harmonies

# Complementary

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



71, 14.020, 303.295



78, 13.686, 121.847

# Rectangle

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



71, 14.020, 303.295



71, 14.020, 353.295



71, 14.020, 123.295



71, 14.020, 173.295

# Sweetspot

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



71, 14.018, 303.293



96, 5.319, 302.760



75, 7.342, 234.781



51, 3.815, 302.805



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, 14.018, 303.293



88, 20.312, 303.449



72, 15.589, 319.865



38, 6.132, 303.077



21, 91.484, 308.695



2, 19.769, 299.714



# Inverse Universe

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



72, 13.155, 335.973



90, 19.013, 336.154



77, 15.494, 138.708



38, 5.773, 335.716



35, 64.670, 346.126



3, 17.952, 341.416



# Previews

## White Background



This preview shows how the CIELCh color 71, 14.020, 303.295 looks on a white background.

## Color Contrast Check

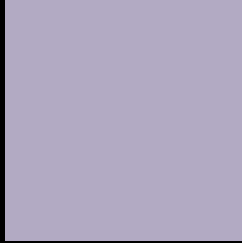
Large Text (above 18pt) WCAG AA × Fail

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, 14.020, 303.295 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

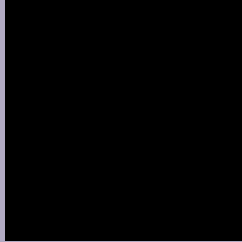
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 71, 14.020, 303.295

## Background



This preview shows how black text looks on a background with the CIELCh color 71, 14.020, 303.295.



This preview shows how white text looks on a background with the CIELCh color 71, 14.020, 303.295.

# 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, 14.020, 303.295


### Protanopia

71, 13.671, 288.565

### Deuteranopia

71, 14.927, 308.337





**Tritanopia**  
71, 7.278, 302.485

# Trichromacy



**Original Color**  
71, 14.020, 303.295

**Protanomaly**  
71, 13.707, 294.488

**Deuteranomaly**  
71, 14.825, 306.994

**Tritanomaly**  
71, 10.116, 303.573

# Monochromacy



**Original Color**  
71, 14.020, 303.295

**Achromatopsia**  
71, 0.009, 296.813

**Achromatomaly**  
71, 5.057, 303.304

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 71, 14.020, 303.295 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(178, 170, 195)` looks like.

```
.text, #text, p{  
    color:rgb(178, 170, 195)  
}
```

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(178, 170, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 170, 195) }
```

## Border

The CSS property to change the border of an element to CIELCh 71, 14.020, 303.295 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(178, 170, 195) }
```

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

```
.border{ border-color:rgb(178, 170, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 170, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 170, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 170, 195);  
box-shadow:4px 4px 4px 4px rgb(178, 170,  
195) }
```

# Background

The CSS property to change the background color of an element to CIELCh 71, 14.020, 303.295 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 170, 195) }
```

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

```
.background{ background-color: rgb(178,  
170, 195) }
```

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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