

# Converting Colors

CIELCh(71, 42.662, 288.604)

Have a look what the booklet for  
CIELCh(71, 42.662, 288.604)  
contains.

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# Color

**CIELCh(71, 42.662, 288.604)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9BA9F7
RGB	155, 169, 247
RGB Percent	61%, 66%, 97%
CMY	0.3912, 0.3363, 0.0304
CMYK	0.37, 0.32, 0.00, 0.03
HSL	231°, 86%, 79%
HSV	231°, 37%, 97%
XYZ	44.6243, 42.1875, 93.9929
YIQ	173.7060, -33.3820, 21.2900

# Conversions

## Conversions Part 2

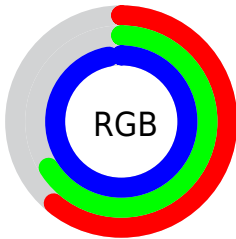
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	155, 167, 247
Decimal	10201591
CIE Lab	71.00, 13.61, -40.43
CIE LCh	71, 42.662, 288.604
Yxy	42.1875, 0.2468, 0.2333
Android (android.graphics.Color)	4288391671 (0xFF9BA9F7)
YUV	173.7060, 36.1339, -16.4052
Hunter-Lab	64.9519, 8.9700, -40.3331

# Details

The CIELCh color **71, 42.662, 288.604** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **92, 40.120, 98.918**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **89, 16.535, 277.526**, and **51, 42.601, 288.683** is the 20% darker color. If you saturate the color by 10%, you get **64, 55.135, 290.695**, and if you desaturate by 10%, it is **78, 30.648, 286.808**.

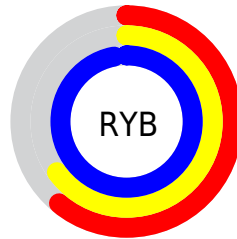
# Distribution



Red (61%)

Green (66%)

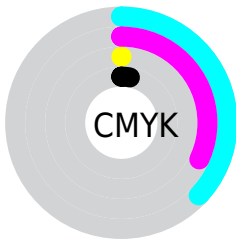
Blue (97%)



Red (61%)

Yellow (65%)

Blue (97%)

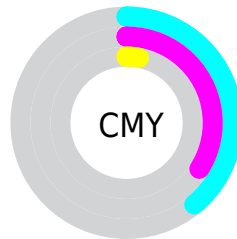


Cyan (37%)

Magenta (32%)

Yellow (0%)

Black (3%)



Cyan (39%)

Magenta (34%)

Yellow (3%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 42.662, 288.604 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, 42.662, 288.604 by changing the saturation by 10% instead.





 71, 42.662,  
288.604


 71, 42.662,  
288.604


 100, 42.662,  
288.604


 61, 42.662,  
288.604


 91, 42.662,  
288.604

 51, 42.662,  
288.604

 41, 42.662,  
288.604

 31, 42.662,  
288.604

 21, 42.662,  
288.604

 11, 42.662,  
288.604

 1, 42.662, 288.604

0, 42.662, 288.604

71, 42.662,  
288.604

71, 42.662,  
288.604

64, 55.135,  
290.695

78, 30.648,  
286.808

57, 68.083,  
293.090

85, 19.060,  
285.277

51, 81.436,  
295.752

92, 7.861, 283.981

44, 94.911,  
298.565

99, 2.977, 102.791

39, 107.797,  
301.309

100, 3.916,  
109.866

35, 118.818,  
303.677

■ 34, 121.376,  
304.204

# Harmonies

# Complementary

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



71, 42.662, 288.604



92, 40.120, 98.918

# Rectangle

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



71, 42.662, 288.604



71, 42.662, 338.604



71, 42.662, 108.604



71, 42.662, 158.604

# Sweetspot

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



71, 42.661, 288.604



92, 12.366, 284.448



91, 30.837, 182.417



48, 8.327, 284.622



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, 42.661, 288.604



67, 53.668, 290.222



70, 51.484, 305.548



47, 6.167, 284.255



25, 96.861, 303.842



5, 35.698, 297.027



# Inverse Universe

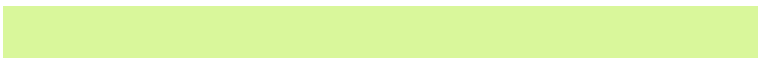
The Inverse Universe completely reimagines the original color for something new.



74, 36.759, 11.418



71, 46.256, 12.894



93, 47.791, 120.980



48, 5.173, 7.768



39, 75.752, 32.845



8, 30.192, 18.800



# Previews

## White Background



This preview shows how the CIELCh color 71, 42.662, 288.604 looks on a white background.

## Color Contrast Check

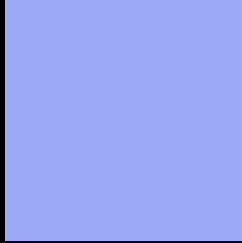
Large Text (above 18pt) WCAG AA × Fail

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, 42.662, 288.604 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

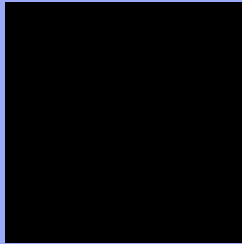
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 71, 42.662, 288.604

## Background



This preview shows how black text looks on a background with the CIELCh color 71, 42.662, 288.604.



This preview shows how white text looks on a background with the CIELCh color 71, 42.662, 288.604.

# 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, 42.662, 288.604

### Protanopia

71, 42.794, 285.532

### Deuteranopia

71, 41.312, 283.413





**Tritanopia**  
71, 14.500, 230.558

# Trichromacy



**Original Color**  
71, 42.662, 288.604

**Protanomaly**  
71, 42.744, 286.677

**Deuteranomaly**  
71, 41.732, 285.162

**Tritanomaly**  
71, 21.965, 266.675

# Monochromacy



**Original Color**  
71, 42.662, 288.604

**Achromatopsia**  
71, 0.009, 296.813

**Achromatomaly**  
71, 15.909, 285.467

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 71, 42.662, 288.604 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(155, 169, 247)` looks like.

```
.text, #text, p{  
    color:rgb(155, 169, 247)  
}
```

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(155, 169, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 169, 247) }
```

## Border

The CSS property to change the border of an element to CIELCh 71, 42.662, 288.604 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(155, 169, 247) }
```

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

```
.border{ border-color:rgb(155, 169, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 169, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 169, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 169, 247);  
box-shadow:4px 4px 4px 4px rgb(155, 169,  
247) }
```

# Background

The CSS property to change the background color of an element to CIELCh 71, 42.662, 288.604 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 169, 247) }
```

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

```
.background{ background-color: rgb(155,  
169, 247) }
```

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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