

# Converting Colors

CIELCh(70, 47.181, 278.494)

Have a look what the booklet for  
CIELCh(70, 47.181, 278.494)  
contains.

<b>CIELCh(70, 47.075, 278.568)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	20
<b><i>Color Blindness Simulation</i></b> .....	23
<b><i>CSS Examples</i></b> .....	26

# Color

**CIELCh(70, 47.075, 278.568)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7BABFF
RGB	123, 171, 255
RGB Percent	48%, 67%, 100%
CMY	0.5161, 0.3280, 0.0000
CMYK	0.52, 0.33, 0.00, 0.00
HSL	218°, 100%, 74%
HSV	218°, 52%, 100%
XYZ	40.9713, 40.7494, 100.6485
YIQ	166.2240, -55.5720, 15.9480

# Conversions

## Conversions Part 2

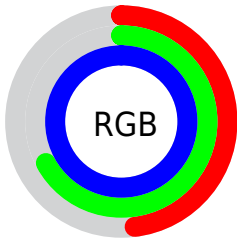
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	123, 158, 255
Decimal	8104959
CIE Lab	70.00, 7.01, -46.55
CIE LCh	70, 47.075, 278.568
Yxy	40.7494, 0.2247, 0.2234
Android (android.graphics.Color)	4286295039 (0xFF7BABFF)
YUV	166.2240, 43.7666, -37.9074
Hunter-Lab	63.8353, 2.8547, -48.7974

# Details

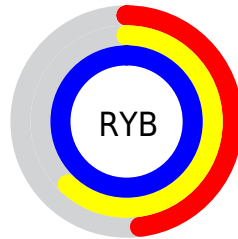
The CIELCh color **70, 47.075, 278.568** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **86, 48.148, 81.542**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 20.258, 247.502**, and **50, 47.287, 278.760** is the 20% darker color. If you saturate the color by 10%, you get **64, 56.373, 281.452**, and if you desaturate by 10%, it is **76, 37.543, 275.867**.

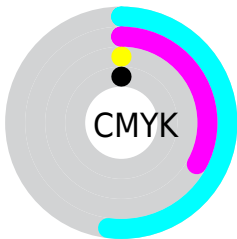
# Distribution



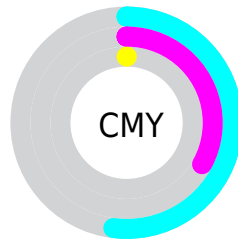
- Red (48%)
- Green (67%)
- Blue (100%)



- Red (48%)
- Yellow (62%)
- Blue (100%)



- Cyan (52%)
- Magenta (33%)
- Yellow (0%)
- Black (0%)




- Cyan (52%)
- Magenta (33%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 47.075, 278.568 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 70, 47.075, 278.568 by changing the saturation by 10% instead.




 70, 47.075,  
278.568


 70, 47.075,  
278.568


 100, 47.075,  
278.568

 60, 47.075,  
278.568

 90, 47.075,  
278.568

 50, 47.075,  
278.568

 40, 47.075,  
278.568

 30, 47.075,  
278.568

 20, 47.075,  
278.568

 10, 47.075,  
278.568

 0, 47.075, 278.568

70, 47.075,  
278.568

70, 47.075,  
278.568

64, 56.373,  
281.452

76, 37.543,  
275.867

59, 66.101,  
284.838

81, 28.350,  
273.650

54, 76.093,  
288.540

87, 19.269,  
271.764

49, 86.309,  
292.397

93, 10.293,  
270.166

46, 94.931,  
295.533

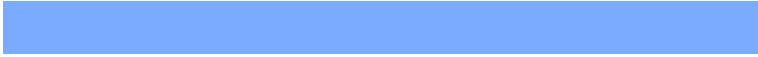
99, 1.424, 268.979

100, 0.012,  
296.813

# Harmonies

# Complementary

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



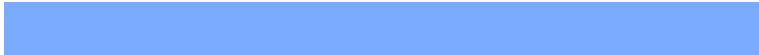
70, 47.075, 278.568



86, 48.148, 81.542

# Rectangle

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



70, 47.075, 278.568



70, 47.075, 328.568



70, 47.075, 98.568



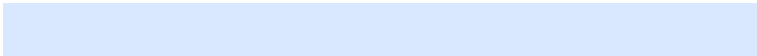
70, 47.075, 148.568

# Sweetspot

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



70, 46.872, 278.458



91, 13.328, 270.678



92, 48.951, 165.736



47, 9.104, 271.011



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

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



70, 46.872, 278.458



64, 56.753, 281.579



59, 74.343, 301.238



50, 5.037, 269.865



34, 75.066, 294.861



9, 30.112, 289.451





# Inverse Universe

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



68, 54.905, 358.445



63, 64.820, 0.815



96, 64.658, 111.524



50, 5.865, 352.489



40, 68.911, 15.244



10, 31.289, 7.814



# Previews

## White Background



This preview shows how the CIELCh color 70, 47.075, 278.568 looks on a white background.

## Color Contrast Check

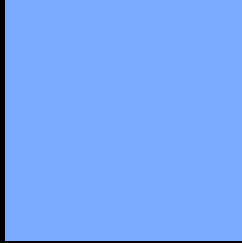
Large Text (above 18pt) WCAG AA × Fail

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 70, 47.075, 278.568 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

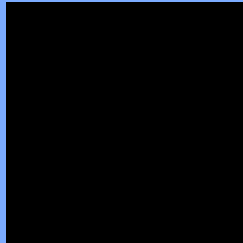
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

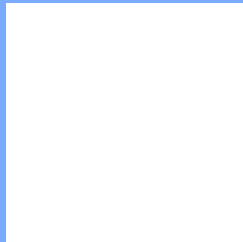
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 70, 47.075, 278.568

## Background



This preview shows how black text looks on a background with the CIELCh color 70, 47.075, 278.568.



This preview shows how white text looks on a background with the CIELCh color 70, 47.075, 278.568.

# 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

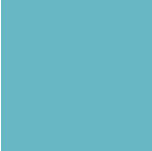
70, 47.075, 278.568

### Protanopia

70, 46.243, 285.338

### Deuteranopia

70, 47.149, 281.733



**Tritanopia**  
70, 25.230, 215.494



# Trichromacy



**Original Color**  
70, 47.075, 278.568

**Protanomaly**  
70, 46.500, 282.761

**Deuteranomaly**  
70, 47.285, 280.857

**Tritanomaly**  
70, 28.505, 247.350

# Monochromacy



**Original Color**  
70, 47.075, 278.568

**Achromatopsia**  
68, 0.008, 296.813

**Achromatomaly**  
69, 17.397, 271.253

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 70, 47.075, 278.568 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(123, 171, 255)` looks like.

```
.text, #text, p{  
    color:rgb(123, 171, 255)  
}
```

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(123, 171, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 171, 255) }
```

## Border

The CSS property to change the border of an element to CIELCh 70, 47.075, 278.568 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(123, 171, 255) }
```

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

```
.border{ border-color:rgb(123, 171, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 171, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 171, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 171, 255);  
box-shadow:4px 4px 4px 4px rgb(123, 171,  
255) }
```

# Background

The CSS property to change the background color of an element to CIELCh 70, 47.075, 278.568 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 171, 255) }
```

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

```
.background{ background-color: rgb(123,  
171, 255) }
```

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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