

# Converting Colors

CIELCh(70, 46.364, 268.895)

Have a look what the booklet for  
CIELCh(70, 46.364, 268.895)  
contains.

<b>CIELCh(70, 46.358, 268.872)</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, 46.358, 268.872)**

# Conversions

## Conversions Part 1

Format	Color
Hex	61B0FF
RGB	97, 176, 255
RGB Percent	38%, 69%, 100%
CMY	0.6201, 0.3103, 0.0005
CMYK	0.62, 0.31, 0.00, 0.00
HSL	210°, 100%, 69%
HSV	210°, 62%, 100%
XYZ	38.4457, 40.7494, 100.3379
YIQ	161.3850, -72.4430, 7.8210

# Conversions

## Conversions Part 2

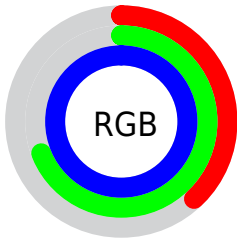
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	97, 150, 255
Decimal	6402303
CIE Lab	70.00, -0.91, -46.35
CIE LCh	70, 46.358, 268.872
Yxy	40.7494, 0.2141, 0.2270
Android (android.graphics.Color)	4284592383 (0xFF61B0FF)
YUV	161.3850, 46.1522, -56.4656
Hunter-Lab	63.8353, -4.2074, -48.5089

# Details

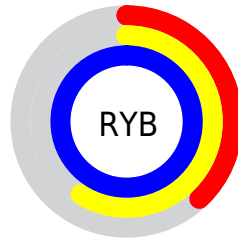
The CIELCh color **70, 46.358, 268.872** is a light color, and the websafe version is hex **3399FF**. A complement of this color would be **78, 55.562, 67.484**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 24.940, 228.587**, and **50, 46.367, 268.865** is the 20% darker color. If you saturate the color by 10%, you get **66, 53.406, 272.612**, and if you desaturate by 10%, it is **75, 39.227, 265.641**.

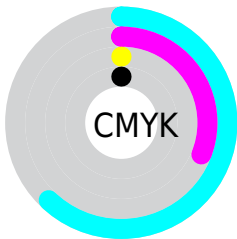
# Distribution



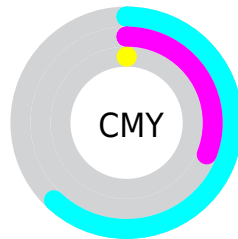
- Red (38%)
- Green (69%)
- Blue (100%)



- Red (38%)
- Yellow (59%)
- Blue (100%)



- Cyan (62%)
- Magenta (31%)
- Yellow (0%)
- Black (0%)




- Cyan (62%)
- Magenta (31%)
- Yellow (0%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 46.358, 268.872 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, 46.358, 268.872 by changing the saturation by 10% instead.





 70, 46.358,  
268.872


 70, 46.358,  
268.872


 100, 46.358,  
268.872


 60, 46.358,  
268.872


 90, 46.358,  
268.872

 50, 46.358,  
268.872

 40, 46.358,  
268.872

 30, 46.358,  
268.872

 20, 46.358,  
268.872

 10, 46.358,  
268.872

 0, 46.358, 268.872

70, 46.358,  
268.872

70, 46.358,  
268.872

66, 53.406,  
272.612

75, 39.227,  
265.641

61, 60.470,  
276.818

79, 31.963,  
262.899

58, 67.671,  
281.357

84, 24.547,  
260.595

55, 73.619,  
285.018

89, 16.990,  
258.669

94, 9.318, 257.067

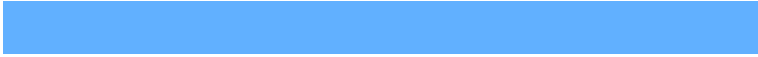
99, 1.563, 255.935

100, 0.053,  
108.728

# Harmonies

# Complementary

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



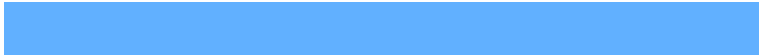
70, 46.358, 268.872



78, 55.562, 67.484

# Rectangle

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



70, 46.358, 268.872



70, 46.358, 318.872



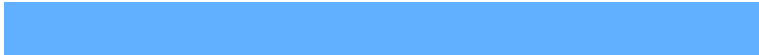
70, 46.358, 88.872



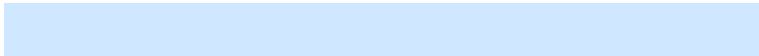
70, 46.358, 138.872

# Sweetspot

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



70, 46.357, 268.873



91, 14.709, 258.157



90, 65.392, 155.608



47, 10.106, 258.645



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, 46.357, 268.873



65, 54.839, 273.422



50, 89.448, 299.662



51, 4.425, 256.717



41, 58.298, 284.178



12, 23.729, 277.622





# Inverse Universe

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



64, 67.935, 351.171



60, 76.874, 353.853



97, 74.232, 103.622



50, 6.383, 344.403



41, 68.248, 2.104

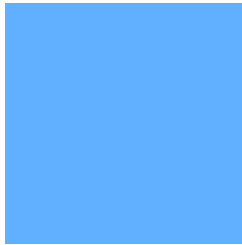


10, 31.870, 356.506



# Previews

## White Background



This preview shows how the CIE LCh color 70, 46.358, 268.872 looks on a white background.

## Color Contrast Check

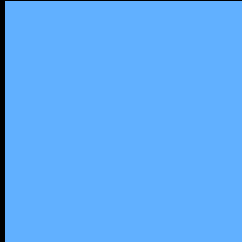
Large Text (above 18pt) WCAG AA × Fail

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, 46.358, 268.872 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

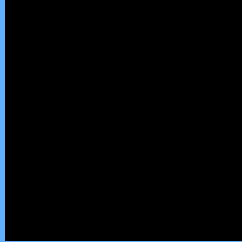
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

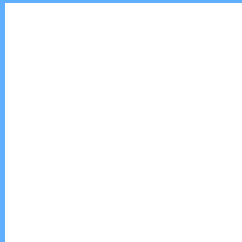
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 70, 46.358, 268.872**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 70, 46.358, 268.872.



This preview shows how white text looks on a background with the CIELCh color 70, 46.358, 268.872.

# 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

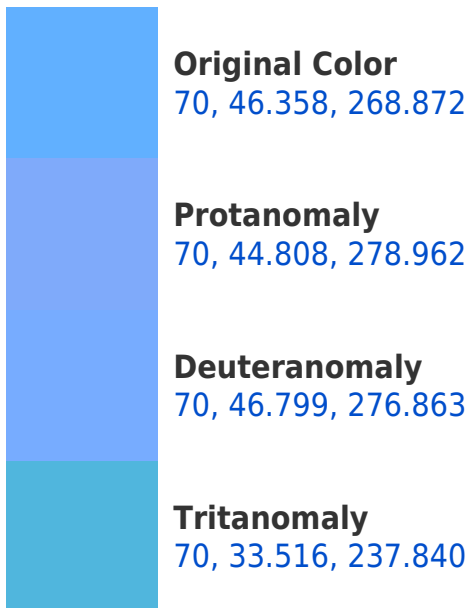




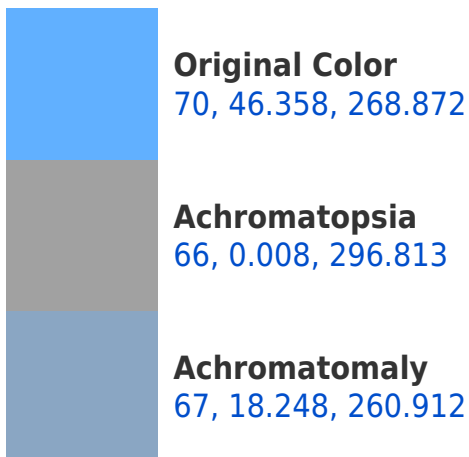
**Tritanopia**  
70, 32.316, 212.012



# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 70, 46.358, 268.872 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(97, 176, 255)` looks like.

```
.text, #text, p{  
    color:rgb(97, 176, 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(97, 176, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 176, 255) }
```

## Border

The CSS property to change the border of an element to CIELCh 70, 46.358, 268.872 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(97, 176, 255) }
```

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

```
.border{ border-color:rgb(97, 176, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 176, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 176, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 176, 255);  
box-shadow:4px 4px 4px 4px rgb(97, 176,  
255) }
```

# Background

The CSS property to change the background color of an element to CIELCh 70, 46.358, 268.872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 176, 255) }
```

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

```
.background{ background-color: rgb(97, 176,  
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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