

# Converting Colors

CIELCh(66, 46.522, 280.152)

Have a look what the booklet for  
CIELCh(66, 46.522, 280.152)  
contains.

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# Color

**CIELCh(66, 46.265, 280.031)**

# Conversions

## Conversions Part 1

Format	Color
Hex	75A0F2
RGB	117, 160, 242
RGB Percent	46%, 63%, 95%
CMY	0.5413, 0.3726, 0.0511
CMYK	0.52, 0.34, 0.00, 0.05
HSL	219°, 83%, 70%
HSV	219°, 52%, 95%
XYZ	35.9234, 35.3238, 88.9112
YIQ	156.4910, -51.9500, 16.3860

# Conversions

## Conversions Part 2

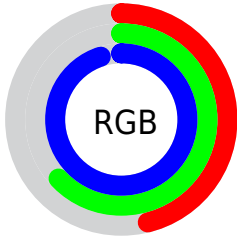
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	117, 149, 242
Decimal	7708914
CIE Lab	66.00, 8.06, -45.56
CIE LCh	66, 46.265, 280.031
Yxy	35.3238, 0.2243, 0.2206
Android (android.graphics.Color)	4285898994 (0xFF75A0F2)
YUV	156.4910, 42.1559, -34.6336
Hunter-Lab	59.4338, 3.8810, -47.0923

# Details

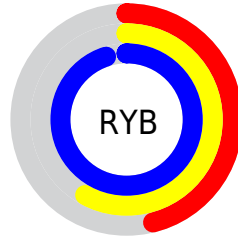
The CIELCh color **66, 46.265, 280.031** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **82, 46.779, 83.305**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 24.406, 261.849**, and **46, 45.993, 279.937** is the 20% darker color. If you saturate the color by 10%, you get **61, 55.730, 282.969**, and if you desaturate by 10%, it is **72, 37.002, 277.483**.

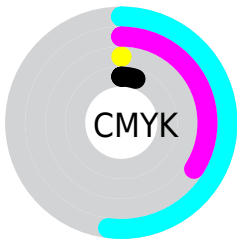
# Distribution



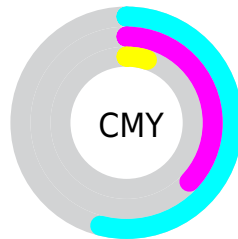
- Red (46%)
- Green (63%)
- Blue (95%)



- Red (46%)
- Yellow (58%)
- Blue (95%)



- Cyan (52%)
- Magenta (34%)
- Yellow (0%)
- Black (5%)




- Cyan (54%)
- Magenta (37%)
- Yellow (5%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 46.265, 280.031 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 66, 46.265, 280.031 by changing the saturation by 10% instead.





 66, 46.265,  
280.031


 66, 46.265,  
280.031


 100, 46.265,  
280.031


 56, 46.265,  
280.031


 86, 46.265,  
280.031

 46, 46.265,  
280.031

 96, 46.265,  
280.031

 36, 46.265,  
280.031

 26, 46.265,  
280.031

 16, 46.265,  
280.031

 6, 46.265, 280.031

 0, 46.265, 280.031

66, 46.265,  
280.031

66, 46.265,  
280.031

61, 55.730,  
282.969

72, 37.002,  
277.483

55, 65.446,  
286.281

77, 27.907,  
275.299

50, 75.431,  
289.889

83, 18.954,  
273.438

46, 85.608,  
293.628

89, 10.132,  
271.859

42, 94.078,  
296.626

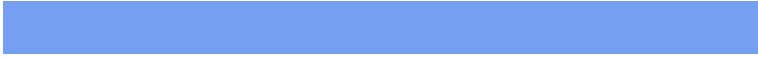
95, 1.438, 270.666

100, 6.591,  
109.673

# Harmonies

# Complementary

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



66, 46.265, 280.031



82, 46.779, 83.305

# Rectangle

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



66, 46.265, 280.031



66, 46.265, 330.031



66, 46.265, 100.031



66, 46.265, 150.031

# Sweetspot

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



66, 46.264, 280.032



91, 13.635, 272.364



88, 46.294, 166.833



47, 9.316, 272.694



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

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



66, 46.264, 280.032



63, 58.503, 283.131



56, 71.309, 301.661



47, 4.894, 271.549



32, 75.095, 295.977



7, 27.763, 289.380





# Inverse Universe

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



65, 52.353, 359.895



63, 64.541, 2.357



92, 62.146, 112.295



47, 5.510, 353.822



39, 67.255, 17.013

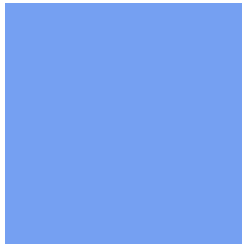


8, 28.757, 7.482



# Previews

## White Background



This preview shows how the CIELCh color 66, 46.265, 280.031 looks on a white background.

## Color Contrast Check

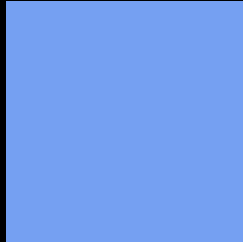
Large Text (above 18pt) WCAG AA × Fail

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 66, 46.265, 280.031 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

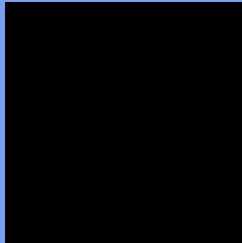
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

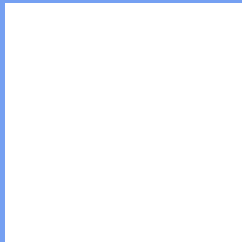
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 66, 46.265, 280.031**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 66, 46.265, 280.031.



This preview shows how white text looks on a background with the CIELCh color 66, 46.265, 280.031.

# 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


66, 46.265, 280.031

### Protanopia

66, 45.697, 285.399

### Deuteranopia

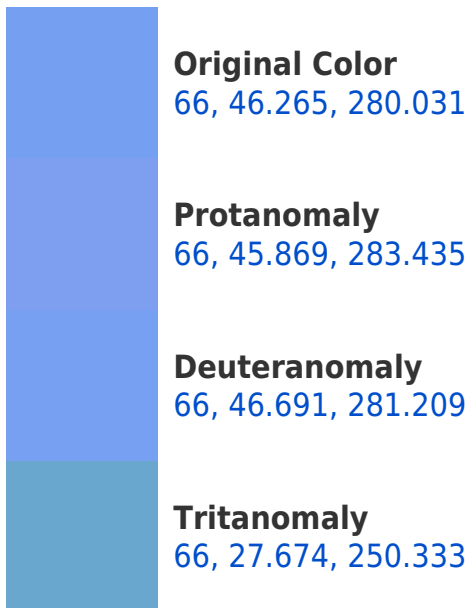
66, 46.646, 281.500



**Tritanopia**  
66, 23.784, 216.901



# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 66, 46.265, 280.031 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(117, 160, 242)` looks like.

```
.text, #text, p{  
    color:rgb(117, 160, 242)  
}
```

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(117, 160, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 160, 242) }
```

## Border

The CSS property to change the border of an element to CIELCh 66, 46.265, 280.031 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(117, 160, 242) }
```

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

```
.border{ border-color:rgb(117, 160, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 160, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 160, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 160, 242);  
box-shadow:4px 4px 4px 4px rgb(117, 160,  
242) }
```

# Background

The CSS property to change the background color of an element to CIELCh 66, 46.265, 280.031 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 160, 242) }
```

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

```
.background{ background-color: rgb(117,  
160, 242) }
```

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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