

# Converting Colors

CIELCh(65, 44.846, 271.443)

Have a look what the booklet for  
CIELCh(65, 44.846, 271.443)  
contains.

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# **Color**

**CIELCh(65, 45.122, 271.755)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5DA1EE
RGB	93, 161, 238
RGB Percent	36%, 63%, 93%
CMY	0.6347, 0.3681, 0.0662
CMYK	0.61, 0.32, 0.00, 0.07
HSL	212°, 81%, 65%
HSV	212°, 61%, 93%
XYZ	32.7466, 34.0472, 85.8353
YIQ	149.4460, -65.2450, 9.5310

# Conversions

## Conversions Part 2

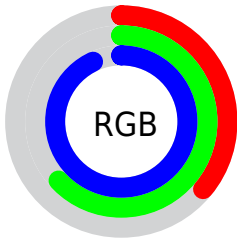
Format	Color
R <sub>Y</sub> B	93, 139, 238
Decimal	6136302
CIE Lab	65.00, 1.38, -45.10
CIE LCh	65, 45.122, 271.755
Yxy	34.0472, 0.2146, 0.2231
Android (android.graphics.Color)	4284326382 (0xFF5DA1EE)
YUV	149.4460, 43.6571, -49.5031
Hunter-Lab	58.3500, -1.9364, -46.3731

# Details

The CIELCh color **65, 45.122, 271.755** is a light color, and the websafe version is hex **6699CC**. The color can be described as light muted azure. A complement of this color would be **75, 51.839, 70.648**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **83, 27.377, 249.539**, and **45, 45.255, 271.828** is the 20% darker color. If you saturate the color by 10%, you get **61, 52.355, 275.358**, and if you desaturate by 10%, it is **70, 37.877, 268.630**.

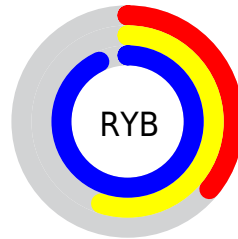
# Distribution



Red (36%)

Green (63%)

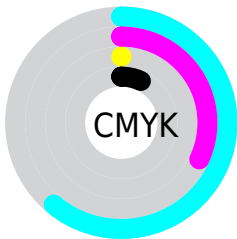
Blue (93%)



Red (36%)

Yellow (55%)

Blue (93%)

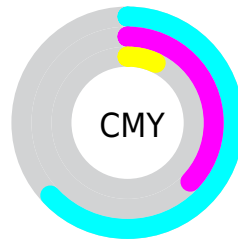


Cyan (61%)

Magenta (32%)

Yellow (0%)

Black (7%)



Cyan (63%)

Magenta (37%)


Yellow (7%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 45.122, 271.755 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 65, 45.122, 271.755 by changing the saturation by 10% instead.





 65, 45.122,  
271.755


 65, 45.122,  
271.755


 100, 45.122,  
271.755


 55, 45.122,  
271.755


 85, 45.122,  
271.755

 45, 45.122,  
271.755

 95, 45.122,  
271.755

 35, 45.122,  
271.755

 25, 45.122,  
271.755

 15, 45.122,  
271.755

 5, 45.122, 271.755

 0, 45.122, 271.755

65, 45.122,  
271.755

65, 45.122,  
271.755

61, 52.355,  
275.358

70, 37.877,  
268.630

56, 59.661,  
279.394

74, 30.574,  
265.964

52, 67.133,  
283.741

79, 23.192,  
263.712

49, 74.158,  
287.726

84, 15.736,  
261.818

89, 8.223, 260.235

94, 0.675, 259.406

98, 6.146, 91.605

100, 8.539,  
109.529

# Harmonies

# Complementary

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



65, 45.122, 271.755



75, 51.839, 70.648

# Rectangle

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



65, 45.122, 271.755



65, 45.122, 321.755



65, 45.122, 91.755



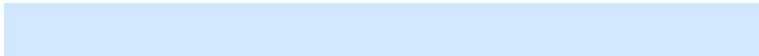
65, 45.122, 141.755

# Sweetspot

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



65, 45.121, 271.756



91, 14.351, 261.342



85, 59.187, 157.536



47, 9.963, 261.836



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

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



65, 45.121, 271.756



64, 56.965, 276.285



48, 84.402, 300.222



48, 4.318, 260.038



38, 59.992, 286.960



9, 22.586, 279.536





# Inverse Universe

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



60, 62.550, 353.011



60, 75.392, 355.907



92, 70.197, 105.351



47, 5.943, 346.138



39, 65.995, 4.964

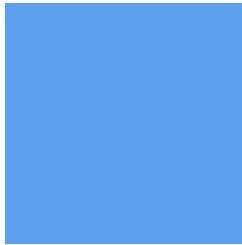


8, 29.186, 357.995



# Previews

## White Background



This preview shows how the CIE LCh color 65, 45.122, 271.755 looks on a white background.

## Color Contrast Check

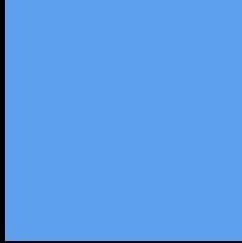
Large Text (above 18pt) WCAG AA × Fail

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 65, 45.122, 271.755 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

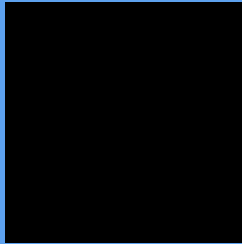
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

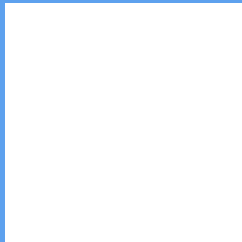
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 65, 45.122, 271.755

## Background



This preview shows how black text looks on a background with the CIELCh color 65, 45.122, 271.755.



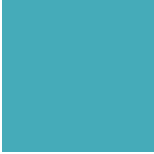
This preview shows how white text looks on a background with the CIELCh color 65, 45.122, 271.755.

# 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

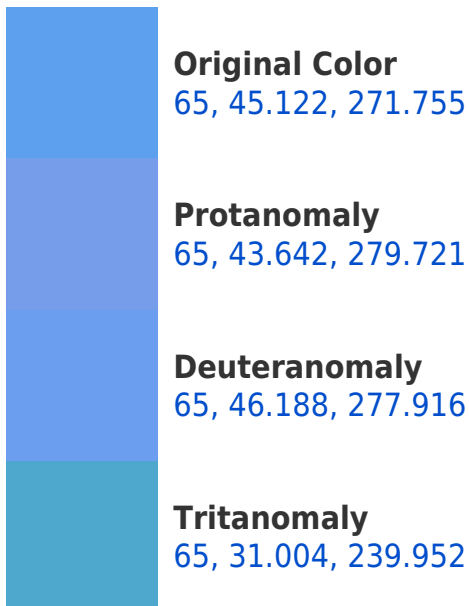




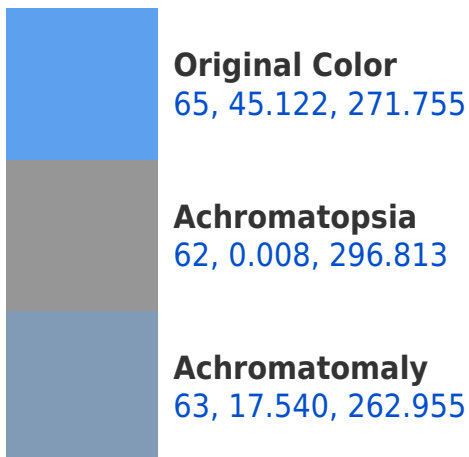
**Tritanopia**  
65, 29.644, 212.576



# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 65, 45.122, 271.755 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(93, 161, 238)` looks like.

```
.text, #text, p{  
    color:rgb(93, 161, 238)  
}
```

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(93, 161, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 161, 238) }
```

## Border

The CSS property to change the border of an element to CIELCh 65, 45.122, 271.755 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(93, 161, 238) }
```

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

```
.border{ border-color:rgb(93, 161, 238) }
```

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

Here you see how a box with a 4 pixel rgb(93, 161, 238) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 161, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 161, 238);  
box-shadow:4px 4px 4px 4px rgb(93, 161,  
238) }
```

# Background

The CSS property to change the background color of an element to CIELCh 65, 45.122, 271.755 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 161, 238) }
```

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

```
.background{ background-color: rgb(93, 161,  
238) }
```

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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