

# Converting Colors

CIELCh(68, 41.588, 271.448)

Have a look what the booklet for  
CIELCh(68, 41.588, 271.448)  
contains.

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# **Color**

**CIELCh(68, 41.361, 271.135)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6EA9F0
RGB	110, 169, 240
RGB Percent	43%, 66%, 94%
CMY	0.5687, 0.3373, 0.0589
CMYK	0.54, 0.30, 0.00, 0.06
HSL	213°, 81%, 69%
HSV	213°, 54%, 94%
XYZ	36.3368, 37.9720, 87.8360
YIQ	159.4530, -57.9550, 9.5730

# Conversions

## Conversions Part 2

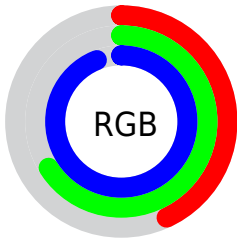
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	110, 151, 240
Decimal	7252464
CIE Lab	68.00, 0.82, -41.35
CIE LCh	68, 41.361, 271.135
Yxy	37.9720, 0.2241, 0.2342
Android (android.graphics.Color)	4285442544 (0xFF6EA9F0)
YUV	159.4530, 39.7097, -43.3703
Hunter-Lab	61.6215, -2.5800, -41.3777

# Details

The CIELCh color **68, 41.361, 271.135** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **78, 46.179, 73.027**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 23.128, 243.531**, and **48, 41.670, 271.626** is the 20% darker color. If you saturate the color by 10%, you get **63, 48.889, 274.398**, and if you desaturate by 10%, it is **73, 33.818, 268.333**.

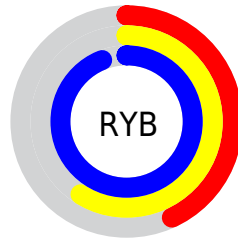
# Distribution



Red (43%)

Green (66%)

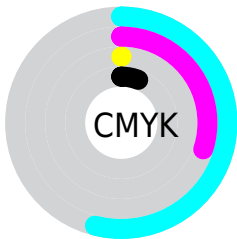
Blue (94%)



Red (43%)

Yellow (59%)

Blue (94%)

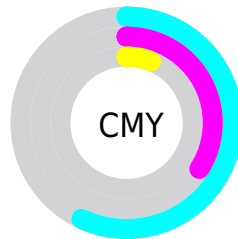


Cyan (54%)

Magenta (30%)

Yellow (0%)

Black (6%)



Cyan (57%)

Magenta (34%)


Yellow (6%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 41.361, 271.135 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 68, 41.361, 271.135 by changing the saturation by 10% instead.





 68, 41.361,  
271.135


 68, 41.361,  
271.135


 100, 41.361,  
271.135


 58, 41.361,  
271.135


 88, 41.361,  
271.135

 48, 41.361,  
271.135

 98, 41.361,  
271.135

 38, 41.361,  
271.135

 28, 41.361,  
271.135

 18, 41.361,  
271.135

 8, 41.361, 271.135

 0, 41.361, 271.135

68, 41.361,  
271.135

68, 41.361,  
271.135

63, 48.889,  
274.398

73, 33.818,  
268.333

59, 56.467,  
278.116

78, 26.232,  
265.954

55, 64.179,  
282.220

83, 18.595,  
263.946

51, 72.100,  
286.549

88, 10.919,  
262.258

49, 76.834,  
289.020

93, 3.221, 260.898

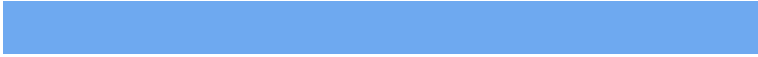
98, 4.479, 79.465

100, 7.603,  
109.599

# Harmonies

# Complementary

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



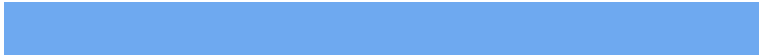
68, 41.361, 271.135



78, 46.179, 73.027

# Rectangle

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



68, 41.361, 271.135



68, 41.361, 321.135



68, 41.361, 91.135



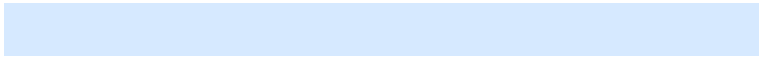
68, 41.361, 141.135

# Sweetspot

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



68, 41.360, 271.135



92, 12.948, 262.553



86, 53.109, 159.476



48, 8.739, 262.889



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

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



68, 41.360, 271.135



67, 52.011, 274.764



53, 74.687, 299.192



48, 4.377, 261.569



37, 61.755, 288.253



9, 23.188, 280.971





# Inverse Universe

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



64, 56.563, 352.735



63, 69.173, 354.998



92, 63.913, 106.657



47, 5.885, 346.998



39, 65.963, 6.412

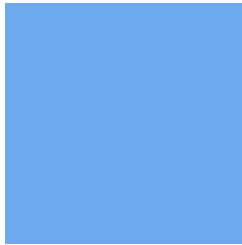


8, 29.085, 359.186



# Previews

## White Background



This preview shows how the CIE LCh color 68, 41.361, 271.135 looks on a white background.

## Color Contrast Check

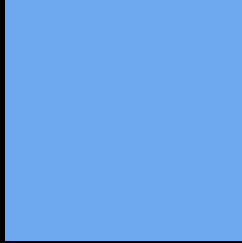
Large Text (above 18pt) WCAG AA × Fail

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 68, 41.361, 271.135 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

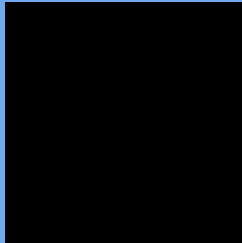
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

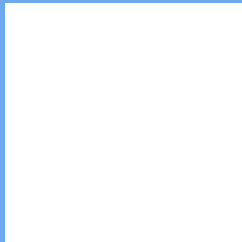
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 68, 41.361, 271.135

## Background



This preview shows how black text looks on a background with the CIELCh color 68, 41.361, 271.135.

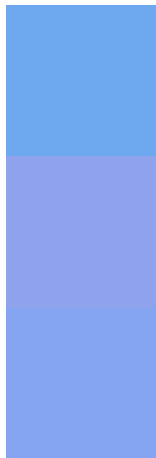


This preview shows how white text looks on a background with the CIELCh color 68, 41.361, 271.135.

# 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**  
68, 41.361, 271.135

**Protanopia**  
68, 39.898, 285.040

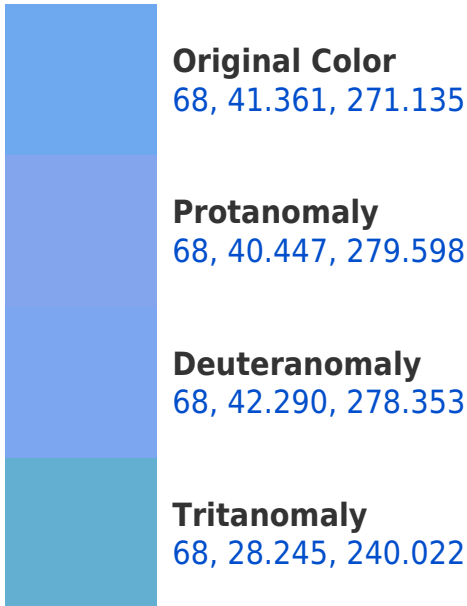
**Deuteranopia**  
68, 42.913, 282.363



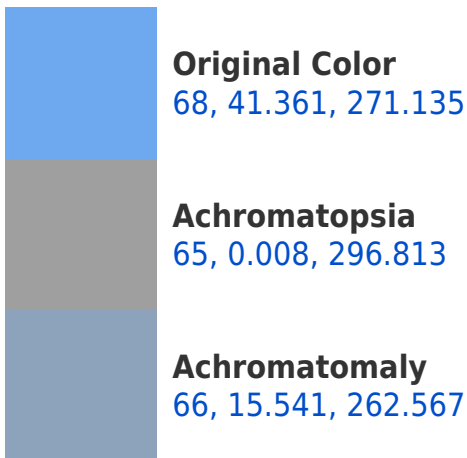
**Tritanopia**  
68, 26.518, 214.574



# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 68, 41.361, 271.135 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(110, 169, 240)` looks like.

```
.text, #text, p{  
    color:rgb(110, 169, 240)  
}
```

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(110, 169, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 169, 240) }
```

## Border

The CSS property to change the border of an element to CIELCh 68, 41.361, 271.135 is called "border". The border property can be set on classes, ids or directly on the HTML element.

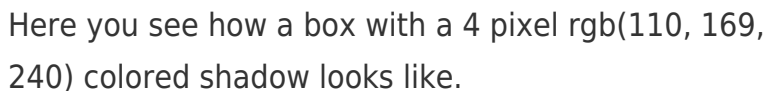
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(110, 169, 240) }
```

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

```
.border{ border-color:rgb(110, 169, 240) }
```

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



Here you see how a box with a 4 pixel `rgb(110, 169, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(110, 169, 240); -webkit-box-shadow:4px 4px 4px 4px rgb(110, 169, 240); box-shadow:4px 4px 4px 4px rgb(110, 169, 240) }
```

# Background

The CSS property to change the background color of an element to CIELCh 68, 41.361, 271.135 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 169, 240) }
```

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

```
.background{ background-color: rgb(110,  
169, 240) }
```

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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