

# Converting Colors

CIELCh(62, 68.612, 283.189)

Have a look what the booklet for  
CIELCh(62, 68.612, 283.189)  
contains.

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# **Color**

**CIELCh(61, 61.292, 279.931)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4093FE
RGB	64, 147, 254
RGB Percent	25%, 58%, 100%
CMY	0.7491, 0.4221, 0.0028
CMYK	0.75, 0.42, 0.00, 0.00
HSL	214°, 99%, 62%
HSV	214°, 75%, 100%
XYZ	30.5411, 29.2481, 98.0470
YIQ	134.3810, -83.8150, 15.6810

# Conversions

## Conversions Part 2

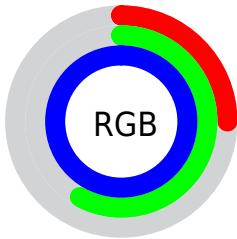
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	64, 122, 254
Decimal	4232190
CIELab	61.00, 10.57, -60.37
CIELCh	61, 61.292, 279.931
Yxy	29.2481, 0.1935, 0.1853
Android (android.graphics.Color)	4282422270 (0xFF4093FE)
YUV	134.3810, 58.9722, -61.7241
Hunter-Lab	54.0815, 6.1604, -69.6326

# Details

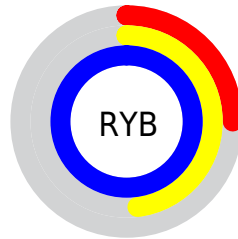
The CIELCh color **61, 61.292, 279.931** is a light color, and the websafe version is hex **3399FF**. The color can be described as light washed azure. A complement of this color would be **76, 68.061, 71.236**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **78, 33.991, 259.374**, and **42, 60.651, 285.023** is the 20% darker color. If you saturate the color by 10%, you get **56, 69.739, 284.015**, and if you desaturate by 10%, it is **66, 53.022, 276.208**.

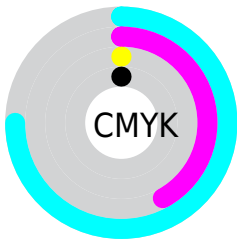
# Distribution



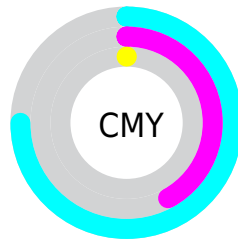
- Red (25%)
- Green (58%)
- Blue (100%)



- Red (25%)
- Yellow (48%)
- Blue (100%)



- Cyan (75%)
- Magenta (42%)
- Yellow (0%)
- Black (0%)




- Cyan (75%)
- Magenta (42%)
- Yellow (0%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 61, 61.292, 279.931 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 61, 61.292, 279.931 by changing the saturation by 10% instead.





 61, 61.292,  
279.931


 61, 61.292,  
279.931


 100, 61.292,  
279.931


 51, 61.292,  
279.931


 81, 61.292,  
279.931

 41, 61.292,  
279.931

 91, 61.292,  
279.931

 31, 61.292,  
279.931

 21, 61.292,  
279.931

 11, 61.292,  
279.931

 1, 61.292, 279.931

 0, 61.292, 279.931

61, 61.292,  
279.931

61, 61.292,  
279.931

56, 69.739,  
284.015

66, 53.022,  
276.208

52, 78.418,  
288.282

71, 44.847,  
272.924

50, 82.995,  
290.423

76, 36.700,  
270.092

81, 28.543,  
267.683

86, 20.363,  
265.646

92, 12.167,  
263.930

97, 3.970, 262.527

100, 0.347,  
109.929



# Harmonies

# Complementary

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



61, 61.292, 279.931



76, 68.061, 71.236

# Rectangle

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



61, 61.292, 279.931



61, 61.292, 329.931



61, 61.292, 99.931



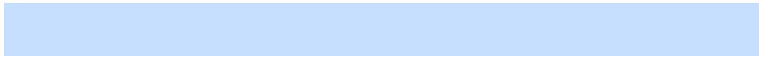
61, 61.292, 149.931

# Sweetspot

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



61, 61.291, 279.932



88, 18.080, 265.129



89, 70.983, 156.810



45, 12.147, 265.623



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

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



61, 61.291, 279.932



54, 74.358, 286.216



42, 110.284, 303.616



50, 4.673, 263.135



38, 65.784, 289.665



11, 26.518, 283.620



# Inverse Universe

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



59, 75.685, 358.773



56, 82.509, 4.315



96, 86.394, 106.224



50, 6.131, 347.921



41, 68.024, 8.088



10, 31.426, 1.569



# Previews

## White Background



This preview shows how the CIE LCh color 61, 61.292, 279.931 looks on a white background.

## Color Contrast Check

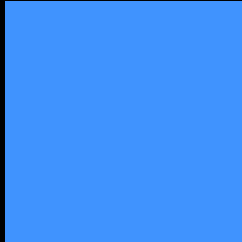
Large Text (above 18pt) WCAG AA ✓ Pass

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 61, 61.292, 279.931 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

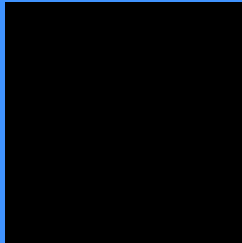
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

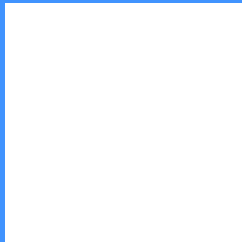
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 61, 61.292, 279.931

## Background



This preview shows how black text looks on a background with the CIELCh color 61, 61.292, 279.931.



This preview shows how white text looks on a background with the CIELCh color 61, 61.292, 279.931.

# 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

61, 61.343, 280.040

### Protanopia

61, 60.401, 286.457

### Deuteranopia

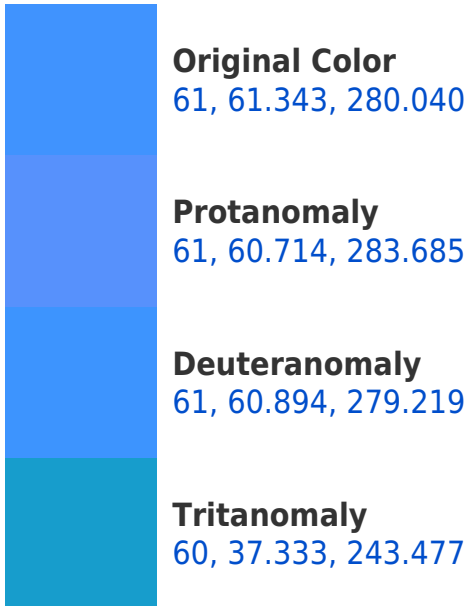
61, 60.948, 279.003



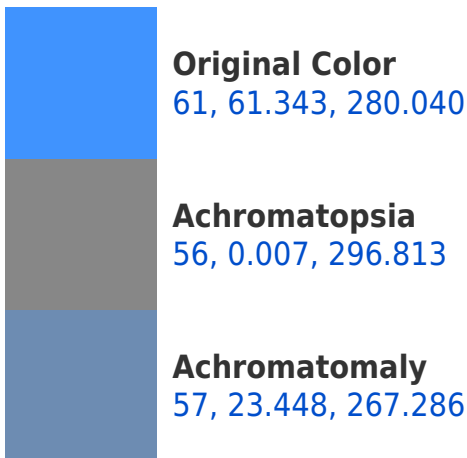


**Tritanopia**  
61, 34.437, 209.105

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 61, 61.292, 279.931 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(64, 147, 254)` looks like.

```
.text, #text, p{  
    color:rgb(64, 147, 254)  
}
```

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(64, 147, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 147, 254) }
```

## Border

The CSS property to change the border of an element to CIELCh 61, 61.292, 279.931 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(64, 147, 254) }
```

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

```
.border{ border-color:rgb(64, 147, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 147, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 147, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 147, 254);  
box-shadow:4px 4px 4px 4px rgb(64, 147,  
254) }
```

# Background

The CSS property to change the background color of an element to CIELCh 61, 61.292, 279.931 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 147, 254) }
```

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

```
.background{ background-color: rgb(64, 147,  
254) }
```

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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