

# Converting Colors

CIELCh(63, 38.454, 269.571)

Have a look what the booklet for  
CIELCh(63, 38.454, 269.571)  
contains.

<b>CIELCh(63, 38.287, 269.235)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	21
<b><i>Color Blindness Simulation</i></b> .....	24
<b><i>CSS Examples</i></b> .....	27

# **Color**

**CIELCh(63, 38.287, 269.235)**

# Conversions

## Conversions Part 1

Format	Color
Hex	629CDC
RGB	98, 156, 220
RGB Percent	38%, 61%, 86%
CMY	0.6152, 0.3878, 0.1368
CMYK	0.55, 0.29, 0.00, 0.14
HSL	211°, 64%, 62%
HSV	211°, 55%, 86%
XYZ	29.8874, 31.5869, 72.3078
YIQ	145.9540, -55.1120, 7.6080

# Conversions

## Conversions Part 2

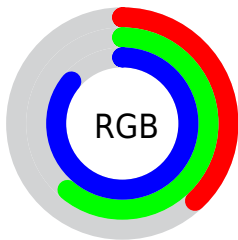
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	98, 137, 220
Decimal	6462684
CIE Lab	63.00, -0.51, -38.28
CIE LCh	63, 38.287, 269.235
Yxy	31.5869, 0.2234, 0.2361
Android (android.graphics.Color)	4284652764 (0xFF629CDC)
YUV	145.9540, 36.5047, -42.0557
Hunter-Lab	56.2022, -3.4306, -36.9389

# Details

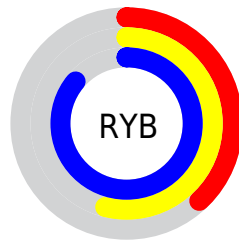
The CIELCh color `63, 38.287, 269.235` is a light color, and the websafe version is hex `6699CC`. A complement of this color would be `71, 43.810, 70.832`, and the grayscale version is `60, 0.008, 296.813`.

A 20% lighter version of the original color is `82, 28.269, 256.833`, and `43, 38.517, 269.617` is the 20% darker color. If you saturate the color by 10%, you get `59, 44.968, 272.559`, and if you desaturate by 10%, it is `67, 31.550, 266.384`.

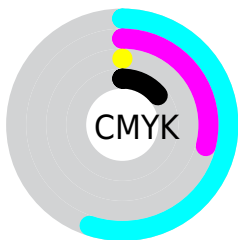
# Distribution



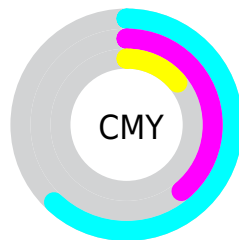
- Red (38%)
- Green (61%)
- Blue (86%)



- Red (38%)
- Yellow (54%)
- Blue (86%)



- Cyan (55%)
- Magenta (29%)
- Yellow (0%)
- Black (14%)




- Cyan (62%)
- Magenta (39%)
- Yellow (14%)


# Brightness & Saturation Gradients

These gradients show how the CIELCh color 63, 38.287, 269.235 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 63, 38.287, 269.235 by changing the saturation by 10% instead.





 63, 38.287,  
269.235


 63, 38.287,  
269.235


 100, 38.287,  
269.235


 53, 38.287,  
269.235


 83, 38.287,  
269.235

 43, 38.287,  
269.235

 93, 38.287,  
269.235

 33, 38.287,  
269.235

 23, 38.287,  
269.235

 13, 38.287,  
269.235

 3, 38.287, 269.235

 0, 38.287, 269.235

63, 38.287,  
269.235

63, 38.287,  
269.235

59, 44.968,  
272.559

67, 31.550,  
266.384

55, 51.657,  
276.353

72, 24.732,  
263.968

51, 58.438,  
280.546

76, 17.829,  
261.934

47, 65.399,  
284.975

81, 10.855,  
260.227

46, 68.673,  
286.939

85, 3.830, 258.835

90, 3.222, 77.384

95, 10.280, 76.406

98, 14.611, 99.635

99, 17.644,



# Harmonies

# Complementary

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



63, 38.287, 269.235



71, 43.810, 70.832

# Rectangle

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



63, 38.287, 269.235



63, 38.287, 319.235



63, 38.287, 89.235



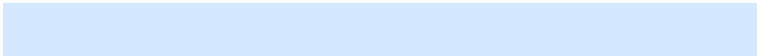
63, 38.287, 139.235

# Sweetspot

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



63, 38.286, 269.235



91, 13.474, 260.499



80, 51.290, 158.436



48, 9.006, 260.830



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

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



63, 38.286, 269.235



67, 51.843, 273.329



48, 71.392, 299.013



44, 3.991, 259.348



36, 56.533, 286.181



7, 18.818, 276.134



# Inverse Universe

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



58, 54.365, 351.495



62, 71.326, 353.936



86, 60.815, 105.782



43, 5.547, 345.762



37, 63.295, 4.129

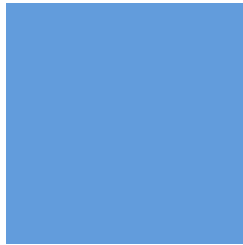


6, 24.835, 356.248



# Previews

## White Background



This preview shows how the CIE LCh color 63, 38.287, 269.235 looks on a white background.

## Color Contrast Check

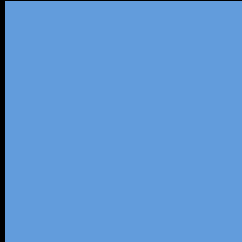
Large Text (above 18pt) WCAG AA × Fail

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 63, 38.287, 269.235 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

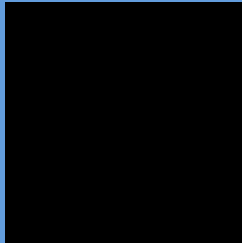
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 63, 38.287, 269.235

## Background



This preview shows how black text looks on a background with the CIELCh color 63, 38.287, 269.235.

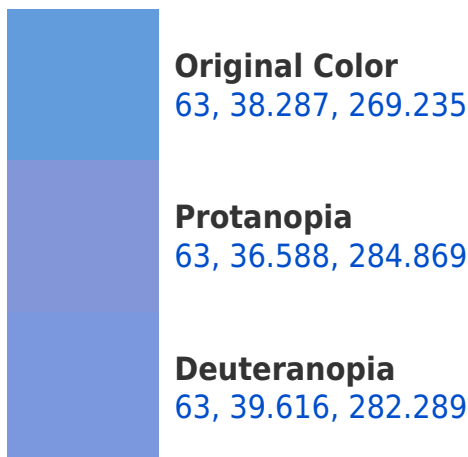


This preview shows how white text looks on a background with the CIELCh color 63, 38.287, 269.235.


# 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

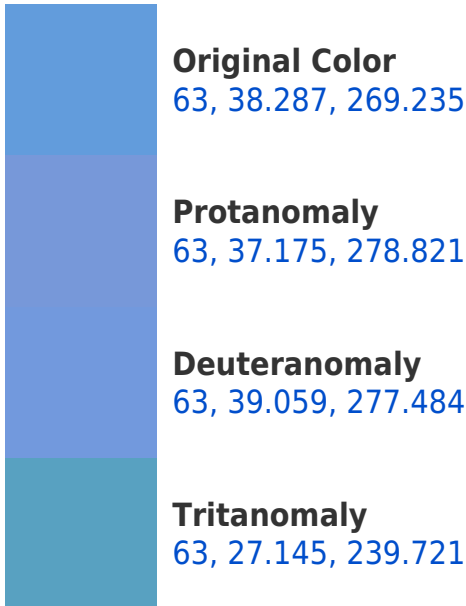




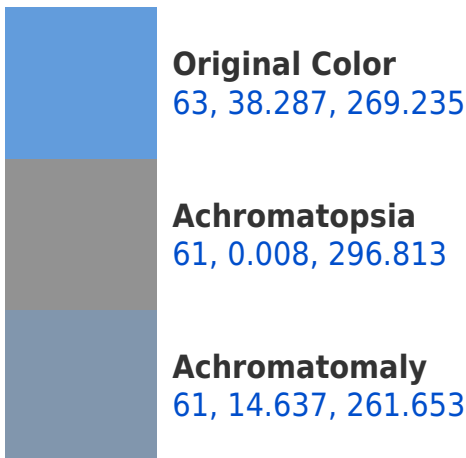


**Tritanopia**  
63, 25.700, 215.382

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 63, 38.287, 269.235 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(98, 156, 220)` looks like.

```
.text, #text, p{  
    color:rgb(98, 156, 220)  
}
```

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(98, 156, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 156, 220) }
```

## Border

The CSS property to change the border of an element to CIELCh 63, 38.287, 269.235 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(98, 156, 220) }
```

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

```
.border{ border-color:rgb(98, 156, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 156, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 156, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 156, 220);  
box-shadow:4px 4px 4px 4px rgb(98, 156,  
220) }
```

# Background

The CSS property to change the background color of an element to CIELCh 63, 38.287, 269.235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 156, 220) }
```

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

```
.background{ background-color: rgb(98, 156,  
220) }
```

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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