

Converting Colors

CIELCh(63, 38.101, 269.796)

Have a look what the booklet for
CIELCh(63, 38.101, 269.796)
contains.

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Color

CIELCh(63, 38.130, 269.867)

Conversions

Conversions Part 1

Format	Color
Hex	649CDC
RGB	100, 156, 220
RGB Percent	39%, 61%, 86%
CMY	0.6085, 0.3888, 0.1379
CMYK	0.55, 0.29, 0.00, 0.14
HSL	212°, 63%, 63%
HSV	212°, 55%, 86%
XYZ	29.9990, 31.5869, 72.1169
YIQ	146.5520, -53.9200, 8.0320

Conversions

Conversions Part 2

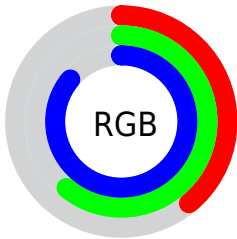
Format	Color
RYB	100, 138, 220
Decimal	6593756
CIELab	63.00, -0.09, -38.13
CIELCh	63, 38.130, 269.867
Yxy	31.5869, 0.2244, 0.2362
Android (android.graphics.Color)	4284783836 (0xFF649CDC)
YUV	146.5520, 36.2099, -40.8261
Hunter-Lab	56.2022, -3.0762, -36.7375

Details

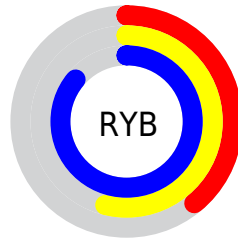
The CIELCh color **63, 38.130, 269.867** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **71, 43.156, 71.771**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **82, 27.983, 257.781**, and **43, 38.392, 270.119** is the 20% darker color. If you saturate the color by 10%, you get **59, 44.939, 273.139**, and if you desaturate by 10%, it is **67, 31.280, 267.061**.

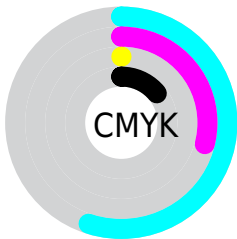
Distribution



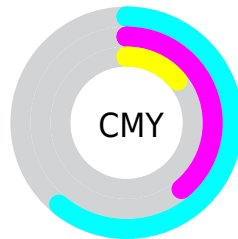
- Red (39%)
- Green (61%)
- Blue (86%)



- Red (39%)
- Yellow (54%)
- Blue (86%)



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



- Cyan (61%)
- Magenta (39%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 63, 38.130, 269.867 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, 38.130, 269.867 by changing the saturation by 10% instead.

■ 63, 38.130,
269.867

■ 63, 38.130,
269.867

■ 100, 38.130,
269.867

■ 53, 38.130,
269.867

■ 83, 38.130,
269.867

■ 43, 38.130,
269.867

■ 93, 38.130,
269.867

■ 33, 38.130,
269.867

■ 23, 38.130,
269.867

■ 13, 38.130,
269.867

■ 3, 38.130, 269.867

■ 0, 38.130, 269.867

63, 38.130,
269.867

63, 38.130,
269.867

59, 44.939,
273.139

67, 31.280,
267.061

55, 51.768,
276.874

72, 24.364,
264.681

51, 58.699,
281.006

76, 17.380,
262.674

47, 65.811,
285.380

81, 10.339,
260.989


45, 69.768,
287.691

86, 3.260, 259.627

90, 3.835, 78.193

95, 10.926, 77.204

98, 15.247,
101.578

 99, 17.778,
108.833

Harmonies

Complementary

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



63, 38.130, 269.867



71, 43.156, 71.771

Rectangle

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



63, 38.130, 269.867



63, 38.130, 319.867



63, 38.130, 89.867



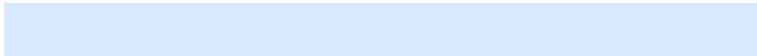
63, 38.130, 139.867

Sweetspot

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



63, 38.129, 269.867



92, 12.788, 261.231



80, 50.564, 158.563



48, 8.629, 261.565



0, 0.000, 0.000



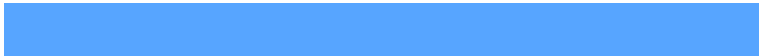
53, 0.007, 296.813

Same Dimension

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



63, 38.129, 269.867



67, 51.765, 273.837



48, 70.134, 298.839



44, 4.021, 260.237



36, 57.484, 286.946



7, 19.060, 276.881

Inverse Universe

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



59, 53.374, 351.906



62, 70.312, 354.311



85, 59.946, 105.849



43, 5.516, 346.246



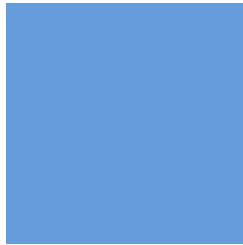
37, 63.256, 4.949



6, 24.761, 356.834

Previews

White Background



This preview shows how the CIELCh color 63, 38.130, 269.867 looks on a white background.

Color Contrast Check

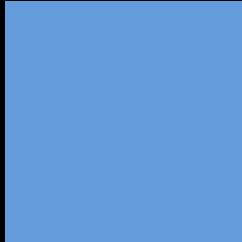
Large Text (above 18pt) WCAG AA × Fail

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, 38.130, 269.867 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

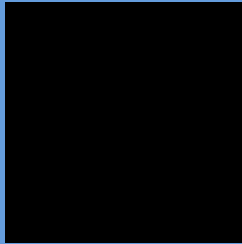
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

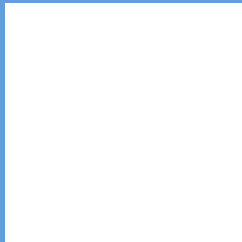
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 63, 38.130, 269.867

Background



This preview shows how black text looks on a background with the CIELCh color 63, 38.130, 269.867.

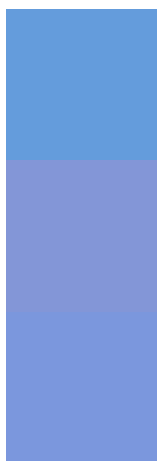


This preview shows how white text looks on a background with the CIELCh color 63, 38.130, 269.867.

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

63, 38.130, 269.867

Protanopia

63, 36.588, 284.869

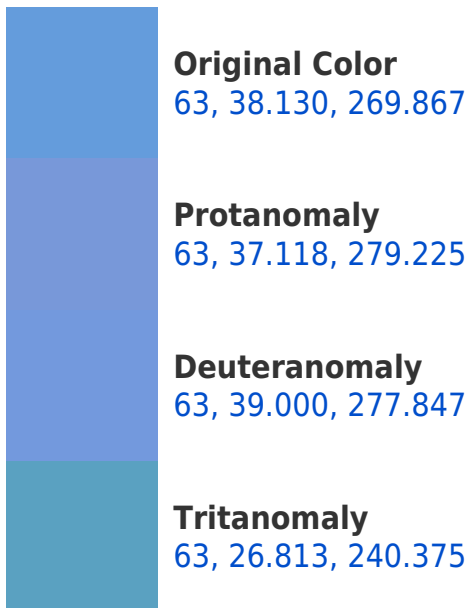
Deuteranopia

63, 39.616, 282.289

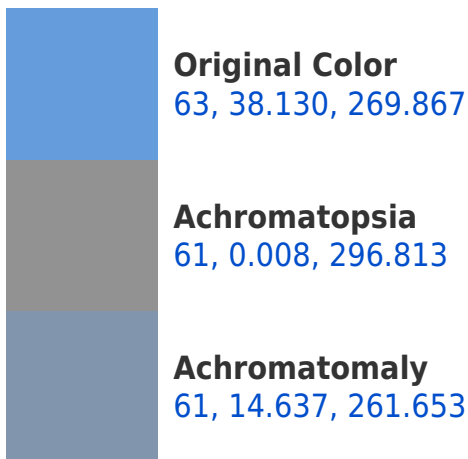


Tritanopia
63, 25.219, 214.402

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 38.130, 269.867 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(100, 156, 220)` looks like.

```
.text, #text, p{  
    color:rgb(100, 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(100, 156, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 156, 220) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 38.130, 269.867 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(100, 156, 220) }
```

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

```
.border{ border-color:rgb(100, 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(100, 156, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 156, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 156, 220);  
box-shadow:4px 4px 4px 4px rgb(100, 156,  
220) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 38.130, 269.867 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 156, 220) }
```

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

```
.background{ background-color: rgb(100,  
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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