

Converting Colors

CIELCh(63, 45.094, 273.861)

Have a look what the booklet for
CIELCh(63, 45.094, 273.861)
contains.

CIELCh(63, 44.957, 273.680)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(63, 44.957, 273.680)

Conversions

Conversions Part 1

Format	Color
Hex	5D9BE8
RGB	93, 155, 232
RGB Percent	36%, 61%, 91%
CMY	0.6354, 0.3922, 0.0903
CMYK	0.60, 0.33, 0.00, 0.09
HSL	213°, 75%, 64%
HSV	213°, 60%, 91%
XYZ	30.7921, 31.5869, 80.8013
YIQ	145.2400, -61.6690, 10.8030

Conversions

Conversions Part 2

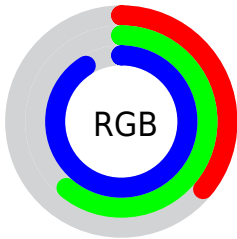
Format	Color
RYB	93, 136, 232
Decimal	6134760
CIELab	63.00, 2.89, -44.86
CIElCh	63, 44.957, 273.680
Yxy	31.5869, 0.2151, 0.2206
Android (android.graphics.Color)	4284324840 (0xFF5D9BE8)
YUV	145.2400, 42.7727, -45.8145
Hunter-Lab	56.2022, -0.5572, -45.8989

Details

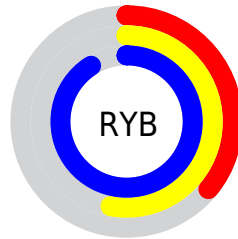
The CIELCh color **63, 44.957, 273.680** is a light color, and the websafe version is hex **3399FF**. The color can be described as light muted azure. A complement of this color would be **74, 50.198, 72.948**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **82, 28.975, 256.675**, and **43, 45.165, 273.985** is the 20% darker color. If you saturate the color by 10%, you get **59, 52.437, 277.180**, and if you desaturate by 10%, it is **68, 37.511, 270.638**.

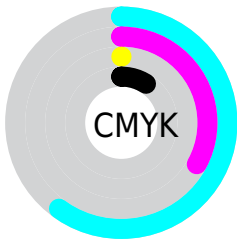
Distribution



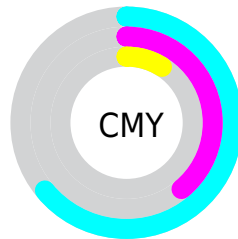
- Red (36%)
- Green (61%)
- Blue (91%)



- Red (36%)
- Yellow (53%)
- Blue (91%)



- Cyan (60%)
- Magenta (33%)
- Yellow (0%)
- Black (9%)



- Cyan (64%)
- Magenta (39%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 63, 44.957, 273.680 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, 44.957, 273.680 by changing the saturation by 10% instead.

 63, 44.957,
273.680

 63, 44.957,
273.680

 100, 44.957,
273.680


 53, 44.957,
273.680


 83, 44.957,
273.680

 43, 44.957,
273.680

 93, 44.957,
273.680

 33, 44.957,
273.680

 23, 44.957,
273.680

 13, 44.957,
273.680

 3, 44.957, 273.680

 0, 44.957, 273.680

63, 44.957,
273.680

63, 44.957,
273.680

59, 52.437,
277.180

68, 37.511,
270.638

54, 60.025,
281.095

72, 30.052,
268.035

50, 67.799,
285.307

77, 22.561,
265.830

47, 75.803,
289.541

82, 15.038,
263.969

46, 75.870,
289.574

87, 7.494, 262.410

92, 0.054, 74.252

97, 7.520, 80.701

99, 11.652,
109.297

Harmonies

Complementary

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



63, 44.957, 273.680



74, 50.198, 72.948

Rectangle

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



63, 44.957, 273.680



63, 44.957, 323.680



63, 44.957, 93.680



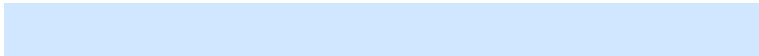
63, 44.957, 143.680

Sweetspot

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



63, 44.956, 273.681



90, 14.676, 263.663



83, 55.481, 159.515



47, 10.196, 264.158



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, 44.956, 273.681



63, 58.314, 278.106



47, 81.101, 300.670



46, 4.255, 262.344



36, 61.255, 288.809



8, 21.695, 280.614

Inverse Universe

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



59, 59.891, 354.360



60, 74.194, 357.348



89, 67.885, 107.055



45, 5.650, 347.448



38, 64.599, 7.060



7, 27.165, 359.020

Previews

White Background



This preview shows how the CIE LCh color 63, 44.957, 273.680 looks on a white background.

Color Contrast Check

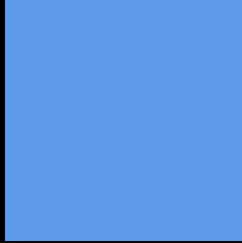
Large Text (above 18pt) WCAG AA × Fail

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, 44.957, 273.680 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

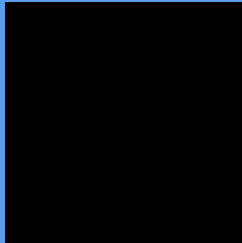
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

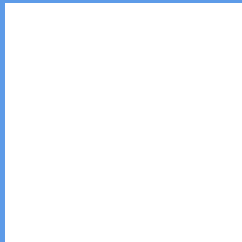
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 63, 44.957, 273.680

Background



This preview shows how black text looks on a background with the CIELCh color 63, 44.957, 273.680.



This preview shows how white text looks on a background with the CIELCh color 63, 44.957, 273.680.

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



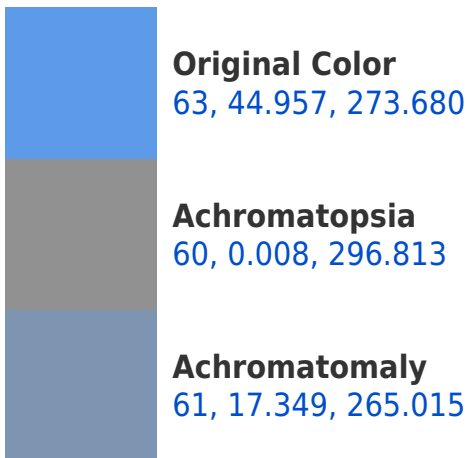


Tritanopia
63, 28.417, 213.409

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 44.957, 273.680 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, 155, 232)` looks like.

```
.text, #text, p{  
    color:rgb(93, 155, 232)  
}
```

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, 155, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 155, 232) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 44.957, 273.680 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, 155, 232) }
```

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

```
.border{ border-color:rgb(93, 155, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 155, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 155, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 155, 232);  
box-shadow:4px 4px 4px 4px rgb(93, 155,  
232) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 44.957, 273.680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 155, 232) }
```

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

```
.background{ background-color: rgb(93, 155,  
232) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor