

Converting Colors

CIELCh(67, 39.872, 260.533)

Have a look what the booklet for
CIELCh(67, 39.872, 260.533)
contains.

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Color

CIELCh(67, 39.742, 260.511)

Conversions

Conversions Part 1

Format	Color
Hex	56AAE9
RGB	86, 170, 233
RGB Percent	34%, 67%, 91%
CMY	0.6625, 0.3332, 0.0861
CMYK	0.63, 0.27, 0.00, 0.09
HSL	206°, 77%, 63%
HSV	206°, 63%, 91%
XYZ	32.9395, 36.6320, 82.4598
YIQ	152.0660, -70.2870, 1.7850

Conversions

Conversions Part 2

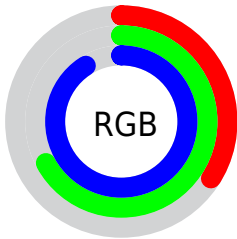
Format	Color
RYP	86, 139, 233
Decimal	5679849
CIELab	67.00, -6.55, -39.20
CIElCh	67, 39.742, 260.511
Yxy	36.6320, 0.2167, 0.2410
Android (android.graphics.Color)	4283869929 (0xFF56AAE9)
YUV	152.0660, 39.9005, -57.9399
Hunter-Lab	60.5244, -8.7715, -38.4110

Details

The CIELCh color **67, 39.742, 260.511** is a light color, and the websafe version is hex **6699CC**. The color can be described as light muted azure. A complement of this color would be **69, 52.557, 60.586**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 27.335, 233.647**, and **47, 39.326, 261.896** is the 20% darker color. If you saturate the color by 10%, you get **63, 45.083, 264.324**, and if you desaturate by 10%, it is **71, 34.145, 257.273**.

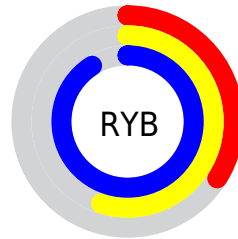
Distribution



Red (34%)

Green (67%)

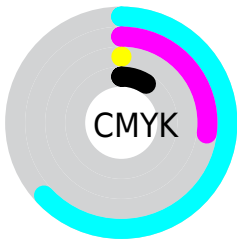
Blue (91%)



Red (34%)

Yellow (55%)

Blue (91%)

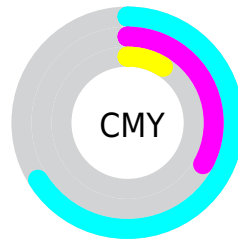


Cyan (63%)

Magenta (27%)

Yellow (0%)

Black (9%)



Cyan (66%)


Magenta (33%)


Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 39.742, 260.511 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 67, 39.742, 260.511 by changing the saturation by 10% instead.


 67, 39.742,
260.511


 67, 39.742,
260.511


 100, 39.742,
260.511


 57, 39.742,
260.511


 87, 39.742,
260.511

 47, 39.742,
260.511

 97, 39.742,
260.511

 37, 39.742,
260.511

 27, 39.742,
260.511

 17, 39.742,
260.511

 7, 39.742, 260.511

 0, 39.742, 260.511

67, 39.742,
260.511

67, 39.742,
260.511

63, 45.083,
264.324

71, 34.145,
257.273

60, 50.264,
268.693

75, 28.256,
254.568

57, 55.429,
273.508

79, 22.075,
252.331

55, 59.106,
276.907

83, 15.633,
250.488

87, 8.971, 248.981

91, 2.136, 247.882

95, 4.830, 66.503

98, 8.765, 97.524

99, 11.112,

Harmonies

Complementary

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



67, 39.742, 260.511



69, 52.557, 60.586

Rectangle

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



67, 39.742, 260.511



67, 39.742, 310.511



67, 39.742, 80.511



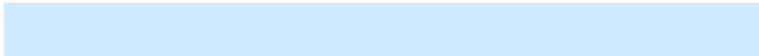
67, 39.742, 130.511

Sweetspot

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



67, 39.741, 260.511



91, 13.922, 249.851



83, 65.490, 152.343



47, 9.545, 250.306



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



67, 39.741, 260.511



68, 50.103, 265.708



48, 78.621, 297.454



47, 3.936, 248.517



43, 48.231, 276.040



11, 18.219, 267.290

Inverse Universe

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



59, 66.409, 346.754



60, 80.480, 349.261



87, 66.445, 100.048



46, 6.258, 340.696



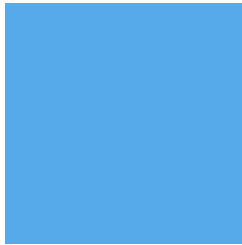
39, 66.810, 355.351



8, 29.420, 349.989

Previews

White Background



This preview shows how the CIE LCh color 67, 39.742, 260.511 looks on a white background.

Color Contrast Check

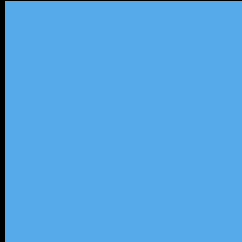
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 67, 39.742, 260.511 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

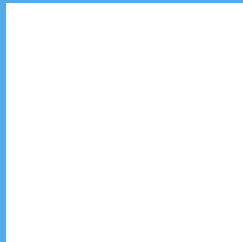
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 67, 39.742, 260.511

Background



This preview shows how black text looks on a background with the CIELCh color 67, 39.742, 260.511.



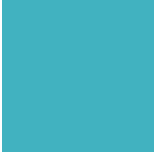
This preview shows how white text looks on a background with the CIELCh color 67, 39.742, 260.511.

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](#).

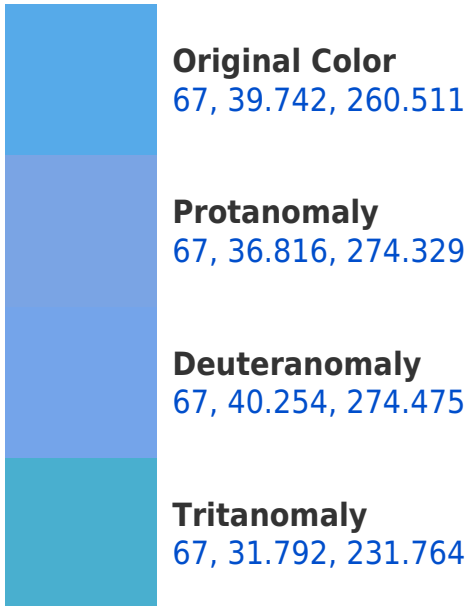
Dichromacy



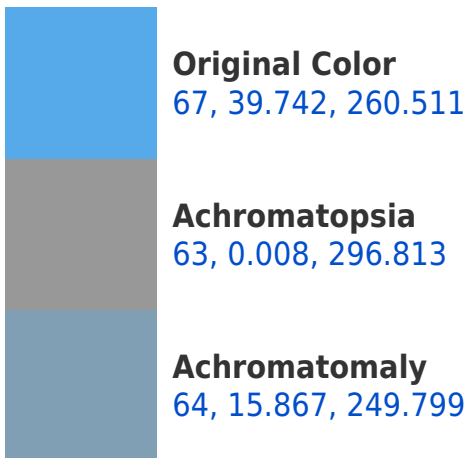


Tritanopia
67, 31.679, 211.367

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 39.742, 260.511 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(86, 170, 233)` looks like.

```
.text, #text, p{  
    color:rgb(86, 170, 233)  
}
```

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(86, 170, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 170, 233) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 39.742, 260.511 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(86, 170, 233) }
```

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

```
.border{ border-color:rgb(86, 170, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 170, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 170, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 170, 233);  
box-shadow:4px 4px 4px 4px rgb(86, 170,  
233) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 39.742, 260.511 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 170, 233) }
```

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

```
.background{ background-color: rgb(86, 170,  
233) }
```

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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