

# Converting Colors

CIELCh(69, 49.113, 259.677)

Have a look what the booklet for  
CIELCh(69, 49.113, 259.677)  
contains.

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**Color**

**CIELCh(69, 48.822, 259.158)**

# Conversions

## Conversions Part 1

Format	Color
Hex	25B2FF
RGB	37, 178, 255
RGB Percent	15%, 70%, 100%
CMY	0.8534, 0.3029, 0.0011
CMYK	0.85, 0.30, 0.00, 0.00
HSL	201°, 100%, 57%
HSV	201°, 85%, 100%
XYZ	34.6535, 39.3444, 100.1484
YIQ	144.6190, -108.7530, -5.9450

# Conversions

## Conversions Part 2

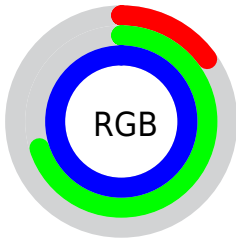
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	37, 123, 255
Decimal	2470655
CIE Lab	69.00, -9.18, -47.95
CIE LCh	69, 48.822, 259.158
Yxy	39.3444, 0.1990, 0.2259
Android (android.graphics.Color)	4280660735 (0xFF25B2FF)
YUV	144.6190, 54.4178, -94.3819
Hunter-Lab	62.7251, -11.1536, -50.7562

# Details

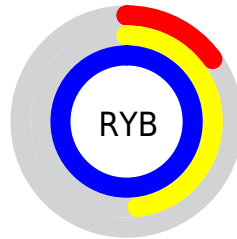
The CIELCh color **69, 48.822, 259.158** is a light color, and the websafe version is hex **3399CC**. The color can be described as light washed azure. A complement of this color would be **65, 80.977, 52.078**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **87, 33.168, 217.058**, and **51, 45.471, 267.277** is the 20% darker color. If you saturate the color by 10%, you get **66, 52.690, 264.206**, and if you desaturate by 10%, it is **72, 44.760, 254.675**.

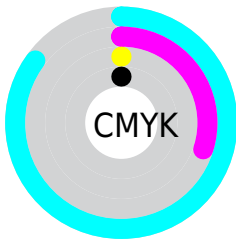
# Distribution



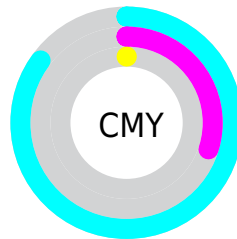
- Red (15%)
- Green (70%)
- Blue (100%)



- Red (15%)
- Yellow (48%)
- Blue (100%)



- Cyan (85%)
- Magenta (30%)
- Yellow (0%)
- Black (0%)




- Cyan (85%)
- Magenta (30%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 48.822, 259.158 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 69, 48.822, 259.158 by changing the saturation by 10% instead.



 69, 48.822,  
259.158

 69, 48.822,  
259.158

 100, 48.822,  
259.158


 59, 48.822,  
259.158


 89, 48.822,  
259.158

 49, 48.822,  
259.158

 99, 48.822,  
259.158

 39, 48.822,  
259.158

 29, 48.822,  
259.158

 19, 48.822,  
259.158

 9, 48.822, 259.158

 0, 48.822, 259.158

69, 48.822,  
259.158

69, 48.822,  
259.158

66, 52.690,  
264.206

72, 44.760,  
254.675

65, 54.528,  
266.627

75, 40.322,  
250.847

79, 35.401,  
247.666

82, 29.963,  
245.067

86, 24.030,  
242.967

90, 17.655,  
241.279

94, 10.907,  
239.933

98, 3.858, 238.926

100, 0.125,  
109.548

# Harmonies

# Complementary

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



69, 48.822, 259.158



65, 80.977, 52.078

# Rectangle

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



69, 48.822, 259.158



69, 48.822, 309.158



69, 48.822, 79.158



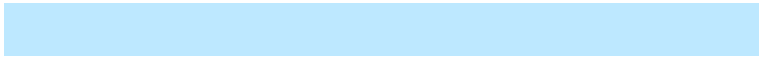
69, 48.822, 129.158

# Sweetspot

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



69, 48.821, 259.159



90, 18.115, 241.382



88, 93.697, 145.386



46, 12.180, 241.933



0, 0.000, 0.000



53, 0.007, 296.813



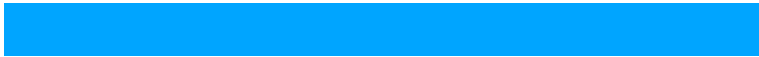


# Same Dimension

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



69, 48.821, 259.159



65, 54.574, 266.630



41, 108.293, 300.919



51, 4.094, 239.294



50, 43.441, 265.654



15, 18.513, 258.385



# Inverse Universe

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



58, 87.565, 346.137



56, 89.059, 349.641



89, 83.746, 93.531



50, 7.062, 337.219



42, 71.969, 349.140



11, 33.941, 345.806



# Previews

## White Background



This preview shows how the CIE LCh color 69, 48.822, 259.158 looks on a white background.

## Color Contrast Check

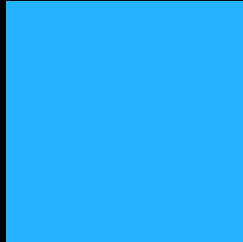
Large Text (above 18pt) WCAG AA × Fail

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 69, 48.822, 259.158 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

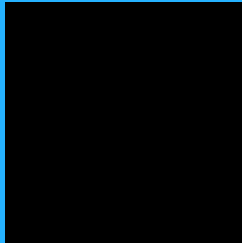
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

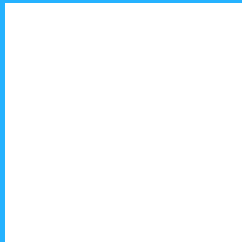
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 69, 48.822, 259.158

## Background



This preview shows how black text looks on a background with the CIELCh color 69, 48.822, 259.158.



This preview shows how white text looks on a background with the CIELCh color 69, 48.822, 259.158.

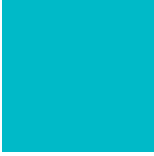
# Color Blindness Simulation

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**  
69, 38.175, 208.421

# Trichromacy



**Original Color**  
69, 48.856, 259.087



**Protanomaly**  
68, 45.711, 272.383



**Deuteranomaly**  
68, 48.841, 271.231



**Tritanomaly**  
69, 38.616, 229.365

# Monochromacy



**Original Color**  
69, 48.856, 259.087



**Achromatopsia**  
60, 0.008, 296.813



**Achromatomaly**  
62, 22.002, 244.327

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 69, 48.822, 259.158 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(37, 178, 255)` looks like.

```
.text, #text, p{  
    color:rgb(37, 178, 255)  
}
```

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(37, 178, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 178, 255) }
```

## Border

The CSS property to change the border of an element to CIELCh 69, 48.822, 259.158 is called "border". The border property can be set on classes, ids or directly on the HTML element.

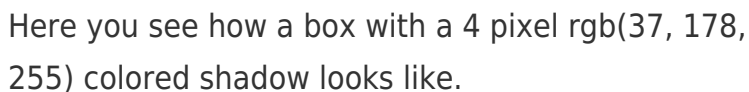
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(37, 178, 255) }
```

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

```
.border{ border-color:rgb(37, 178, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(37, 178, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 178, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 178, 255);  
box-shadow:4px 4px 4px 4px rgb(37, 178,  
255) }
```

# Background

The CSS property to change the background color of an element to CIELCh 69, 48.822, 259.158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 178, 255) }
```

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

```
.background{ background-color: rgb(37, 178,  
255) }
```

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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