

# Converting Colors

CIELCh(64, 53.009, 273.597)

Have a look what the booklet for  
CIELCh(64, 53.009, 273.597)  
contains.

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# **Color**

**CIELCh(64, 52.966, 273.745)**

# Conversions

## Conversions Part 1

Format	Color
Hex	489EF9
RGB	72, 158, 249
RGB Percent	28%, 62%, 98%
CMY	0.7160, 0.3793, 0.0223
CMYK	0.71, 0.37, 0.00, 0.02
HSL	211°, 94%, 63%
HSV	211°, 71%, 98%
XYZ	32.1248, 32.8017, 94.5139
YIQ	142.6600, -80.4670, 10.0690

# Conversions

## Conversions Part 2

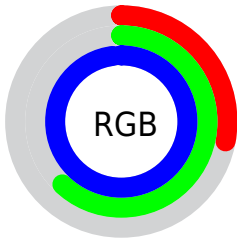
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	72, 130, 249
Decimal	4759289
CIE Lab	64.00, 3.46, -52.85
CIE LCh	64, 52.966, 273.745
Yxy	32.8017, 0.2015, 0.2057
Android (android.graphics.Color)	4282949369 (0xFF489EF9)
YUV	142.6600, 52.4256, -61.9688
Hunter-Lab	57.2727, -0.1050, -57.7519

# Details

The CIELCh color **64, 52.966, 273.745** is a light color, and the websafe version is hex **3399FF**. The color can be described as light washed azure. A complement of this color would be **74, 63.214, 67.573**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **82, 30.415, 247.441**, and **45, 52.052, 277.985** is the 20% darker color. If you saturate the color by 10%, you get **60, 60.203, 277.856**, and if you desaturate by 10%, it is **68, 45.766, 270.092**.

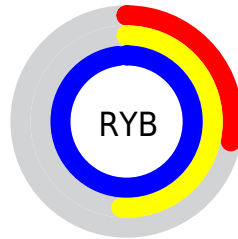
# Distribution



Red (28%)

Green (62%)

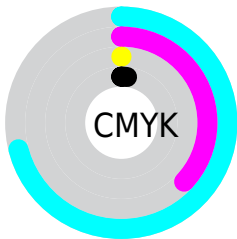
Blue (98%)



Red (28%)

Yellow (51%)

Blue (98%)

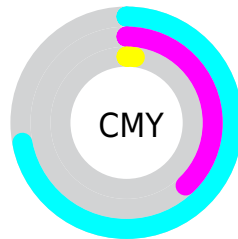


Cyan (71%)

Magenta (37%)

Yellow (0%)

Black (2%)



Cyan (72%)

Magenta (38%)


Yellow (2%)


# Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 52.966, 273.745 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 64, 52.966, 273.745 by changing the saturation by 10% instead.




 64, 52.966,  
273.745


 64, 52.966,  
273.745


 100, 52.966,  
273.745


 54, 52.966,  
273.745


 84, 52.966,  
273.745

 44, 52.966,  
273.745

 94, 52.966,  
273.745

 34, 52.966,  
273.745

 24, 52.966,  
273.745

 14, 52.966,  
273.745

 4, 52.966, 273.745

 0, 52.966, 273.745

64, 52.966,  
273.745

64, 52.966,  
273.745

60, 60.203,  
277.856

68, 45.766,  
270.092

56, 67.590,  
282.296

73, 38.517,  
266.931

52, 74.486,  
286.354

78, 31.168,  
264.244

83, 23.701,  
261.982

88, 16.127,  
260.084

93, 8.466, 258.504

98, 0.746, 257.663

100, 2.874,  
109.936



# Harmonies

# Complementary

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



64, 52.966, 273.745



74, 63.214, 67.573

# Rectangle

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



64, 52.966, 273.745



64, 52.966, 323.745



64, 52.966, 93.745



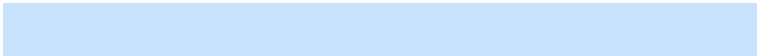
64, 52.966, 143.745

# Sweetspot

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



64, 52.965, 273.746



89, 16.461, 260.097



88, 70.483, 154.888



46, 11.127, 260.589



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

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



64, 52.965, 273.746



59, 64.335, 279.669



43, 103.232, 302.188



50, 4.405, 258.300



40, 59.381, 285.543



11, 23.562, 278.757



# Inverse Universe

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



59, 73.162, 354.137



57, 81.696, 358.280



95, 81.957, 103.829



49, 6.217, 345.210



40, 67.442, 3.466



10, 30.935, 357.376



# Previews

## White Background



This preview shows how the CIE LCh color 64, 52.966, 273.745 looks on a white background.

## Color Contrast Check

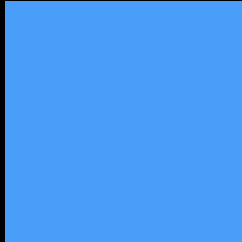
Large Text (above 18pt) WCAG AA × Fail

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 64, 52.966, 273.745 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

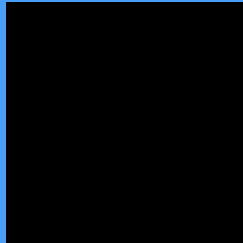
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

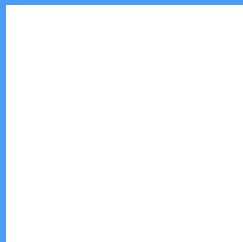
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 64, 52.966, 273.745**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 64, 52.966, 273.745.



This preview shows how white text looks on a background with the CIELCh color 64, 52.966, 273.745.


# 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

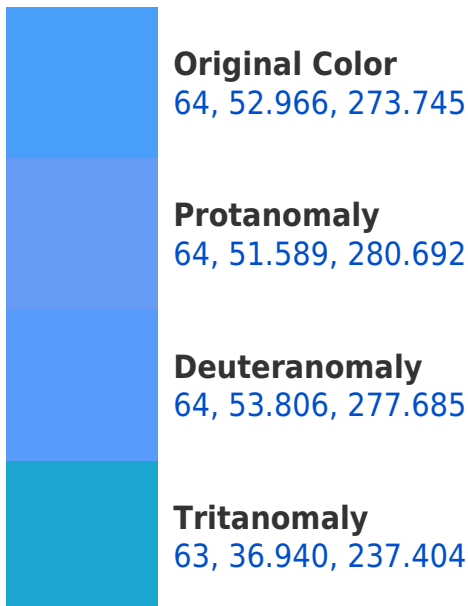




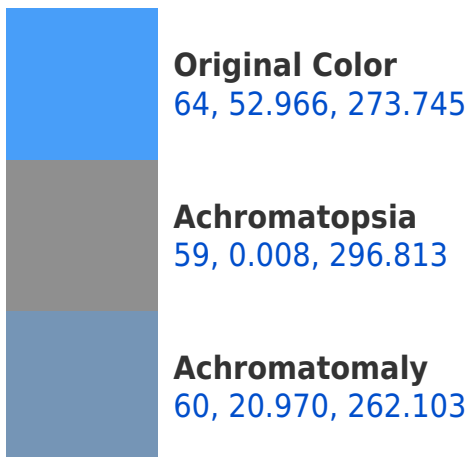


**Tritanopia**  
64, 35.826, 209.426

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 64, 52.966, 273.745 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(72, 158, 249)` looks like.

```
.text, #text, p{  
    color:rgb(72, 158, 249)  
}
```

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(72, 158, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 158, 249) }
```

## Border

The CSS property to change the border of an element to CIELCh 64, 52.966, 273.745 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(72, 158, 249) }
```

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

```
.border{ border-color:rgb(72, 158, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 158, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 158, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 158, 249);  
box-shadow:4px 4px 4px 4px rgb(72, 158,  
249) }
```

# Background

The CSS property to change the background color of an element to CIELCh 64, 52.966, 273.745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 158, 249) }
```

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

```
.background{ background-color: rgb(72, 158,  
249) }
```

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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