

# Converting Colors

CIELCh(65, 67.422, 286.747)

Have a look what the booklet for  
CIELCh(65, 67.422, 286.747)  
contains.

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**Color**

**CIELCh(64, 57.394, 283.291)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6699FF
RGB	102, 153, 255
RGB Percent	40%, 60%, 100%
CMY	0.6002, 0.4002, 0.0002
CMYK	0.60, 0.40, 0.00, 0.00
HSL	220°, 100%, 70%
HSV	220°, 60%, 100%
XYZ	34.8946, 32.8017, 99.0487
YIQ	149.3790, -63.1380, 20.9100

# Conversions

## Conversions Part 2

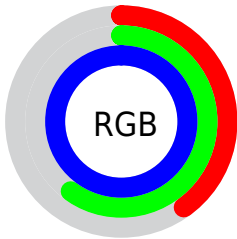
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	102, 140, 255
Decimal	6724095
CIELab	64.00, 13.19, -55.86
CIELCh	64, 57.394, 283.291
Yxy	32.8017, 0.2093, 0.1967
Android (android.graphics.Color)	4284914175 (0xFF6699FF)
YUV	149.3790, 52.0712, -41.5514
Hunter-Lab	57.2727, 8.5276, -62.4465

# Details

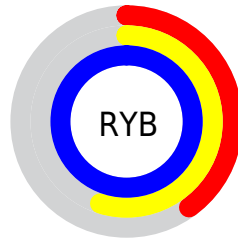
The CIELCh color **64, 57.394, 283.291** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **85, 57.115, 82.935**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **82, 28.275, 263.868**, and **44, 57.377, 283.223** is the 20% darker color. If you saturate the color by 10%, you get **58, 67.702, 286.532**, and if you desaturate by 10%, it is **70, 47.358, 280.427**.

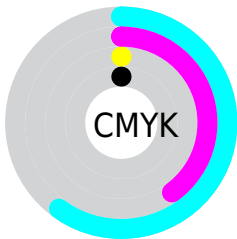
# Distribution



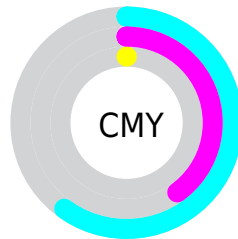
- Red (40%)
- Green (60%)
- Blue (100%)



- Red (40%)
- Yellow (55%)
- Blue (100%)



- Cyan (60%)
- Magenta (40%)
- Yellow (0%)
- Black (0%)




- Cyan (60%)
- Magenta (40%)
- Yellow (0%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 57.394, 283.291 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, 57.394, 283.291 by changing the saturation by 10% instead.





 64, 57.394,  
283.291

 64, 57.394,  
283.291


 100, 57.394,  
283.291


 54, 57.394,  
283.291


 84, 57.394,  
283.291

 44, 57.394,  
283.291

 94, 57.394,  
283.291

 34, 57.394,  
283.291

 24, 57.394,  
283.291

 14, 57.394,  
283.291

 4, 57.394, 283.291

 0, 57.394, 283.291

■ 64, 57.394,  
283.291

■ 64, 57.394,  
283.291

■ 58, 67.702,  
286.532

■ 70, 47.358,  
280.427

■ 53, 78.301,  
290.075

■ 76, 37.550,  
277.947

■ 48, 89.107,  
293.766

■ 82, 27.932,  
275.823

■ 44, 99.837,  
297.318

■ 88, 18.478,  
274.014

■ 94, 9.176, 272.481

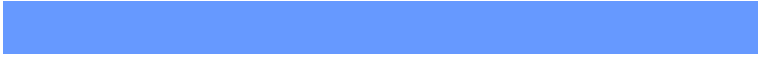
100, 0.023,  
283.855

100, 0.019,  
106.073

# Harmonies

# Complementary

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



64, 57.394, 283.291



85, 57.115, 82.935

# Rectangle

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



64, 57.394, 283.291



64, 57.394, 333.291



64, 57.394, 103.291



64, 57.394, 153.291

# Sweetspot

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



64, 57.393, 283.292



89, 16.596, 273.684



91, 54.623, 165.549



46, 11.559, 274.164



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, 57.393, 283.292



57, 69.798, 287.216



53, 87.480, 302.917



50, 5.209, 272.410



33, 78.982, 296.688



8, 31.682, 291.550





# Inverse Universe

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



64, 62.587, 2.645



59, 72.688, 6.201



96, 73.888, 111.824



50, 5.765, 354.537



40, 69.655, 18.190



10, 31.347, 10.302



# Previews

## White Background



This preview shows how the CIELCh color 64, 57.394, 283.291 looks on a white background.

## Color Contrast Check

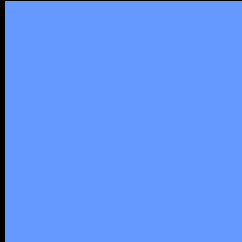
Large Text (above 18pt) WCAG AA × Fail

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, 57.394, 283.291 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

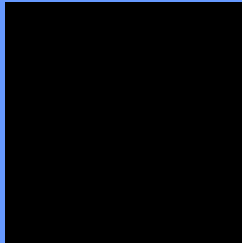
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

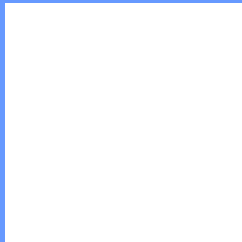
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 64, 57.394, 283.291

## Background



This preview shows how black text looks on a background with the CIELCh color 64, 57.394, 283.291.



This preview shows how white text looks on a background with the CIELCh color 64, 57.394, 283.291.

# 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

64, 57.394, 283.291

### Protanopia

64, 57.091, 286.112

### Deuteranopia

64, 56.241, 279.838



**Tritanopia**  
64, 29.033, 212.981



# Trichromacy



**Original Color**  
64, 57.394, 283.291

**Protanomaly**  
64, 57.186, 284.979

**Deuteranomaly**  
64, 56.619, 281.064

**Tritanomaly**  
64, 32.919, 250.028

# Monochromacy



**Original Color**  
64, 57.394, 283.291

**Achromatopsia**  
62, 0.008, 296.813

**Achromatomaly**  
62, 21.952, 276.586

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 64, 57.394, 283.291 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(102, 153, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 153, 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(102, 153, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 153, 255) }
```

## Border

The CSS property to change the border of an element to CIELCh 64, 57.394, 283.291 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(102, 153, 255) }
```

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

```
.border{ border-color:rgb(102, 153, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 153, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 153, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 153, 255);  
box-shadow:4px 4px 4px 4px rgb(102, 153,  
255) }
```

# Background

The CSS property to change the background color of an element to CIELCh 64, 57.394, 283.291 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 153, 255) }
```

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

```
.background{ background-color: rgb(102,  
153, 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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