

# Converting Colors

CIELCh(64, 33.161, 251.184)

Have a look what the booklet for  
CIELCh(64, 33.161, 251.184)  
contains.

<b>CIELCh(64, 33.045, 251.368)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	21
<b><i>Color Blindness Simulation</i></b> .....	24
<b><i>CSS Examples</i></b> .....	27

# **Color**

**CIELCh(64, 33.045, 251.368)**

# Conversions

## Conversions Part 1

Format	Color
Hex	53A3D2
RGB	83, 163, 210
RGB Percent	33%, 64%, 82%
CMY	0.6734, 0.3598, 0.1754
CMYK	0.60, 0.22, 0.00, 0.18
HSL	202°, 59%, 58%
HSV	202°, 60%, 82%
XYZ	28.4002, 32.8017, 65.9798
YIQ	144.4380, -62.7670, -2.3430

# Conversions

## Conversions Part 2

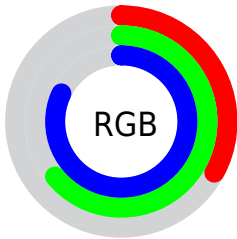
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	83, 132, 210
Decimal	5481426
CIE Lab	64.00, -10.56, -31.31
CIE LCh	64, 33.045, 251.368
Yxy	32.8017, 0.2233, 0.2579
Android (android.graphics.Color)	4283671506 (0xFF53A3D2)
YUV	144.4380, 32.3221, -53.8811
Hunter-Lab	57.2727, -11.7135, -28.2128

# Details

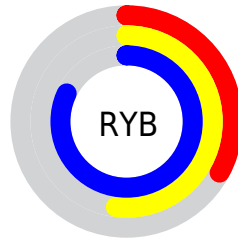
The CIELCh color **64, 33.045, 251.368** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **62, 46.297, 55.325**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 29.004, 240.988**, and **44, 32.769, 252.308** is the 20% darker color. If you saturate the color by 10%, you get **61, 37.258, 254.854**, and if you desaturate by 10%, it is **67, 28.438, 248.479**.

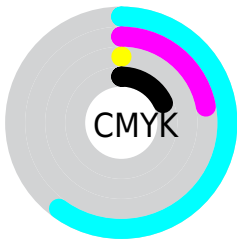
# Distribution



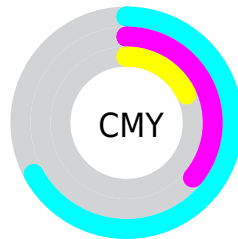
- Red (33%)
- Green (64%)
- Blue (82%)



- Red (33%)
- Yellow (52%)
- Blue (82%)



- Cyan (60%)
- Magenta (22%)
- Yellow (0%)
- Black (18%)



- Cyan (67%)
- Magenta (36%)
- Yellow (18%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 33.045, 251.368 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, 33.045, 251.368 by changing the saturation by 10% instead.



 64, 33.045,  
251.368

 64, 33.045,  
251.368


 100, 33.045,  
251.368


 54, 33.045,  
251.368


 84, 33.045,  
251.368

 44, 33.045,  
251.368

 94, 33.045,  
251.368

 34, 33.045,  
251.368

 24, 33.045,  
251.368

 14, 33.045,  
251.368

 4, 33.045, 251.368

 0, 33.045, 251.368

64, 33.045,  
251.368

64, 33.045,  
251.368

61, 37.258,  
254.854

67, 28.438,  
248.479

58, 41.138,  
258.971

70, 23.434,  
246.116

56, 44.804,  
263.680

74, 18.062,  
244.197

53, 48.320,  
268.515

77, 12.370,  
242.646

81, 6.413, 241.412

84, 0.247, 242.252

88, 6.080, 59.371

91, 12.523, 58.710

94, 14.367, 74.835



# Harmonies

# Complementary

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



64, 33.045, 251.368



62, 46.297, 55.325

# Rectangle

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



64, 33.045, 251.368



64, 33.045, 301.368



64, 33.045, 71.368



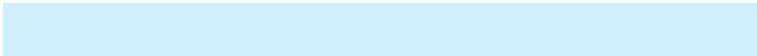
64, 33.045, 121.368

# Sweetspot

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



64, 33.044, 251.368



93, 12.825, 242.350



76, 60.619, 150.695



48, 8.863, 242.752



0, 0.000, 0.000



53, 0.007, 296.813



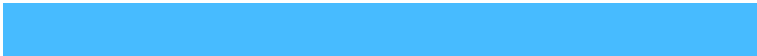


# Same Dimension

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



64, 33.044, 251.368



72, 44.207, 255.789



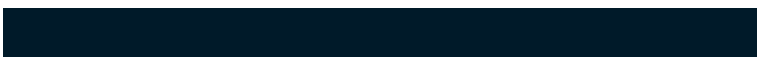
47, 64.816, 294.609



42, 3.493, 241.308



43, 40.485, 267.643



8, 13.612, 255.928



# Inverse Universe

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



55, 61.134, 342.908



61, 80.576, 344.720



78, 56.639, 97.443



41, 5.930, 337.924



37, 65.019, 350.176



5, 23.497, 345.289



# Previews

## White Background



This preview shows how the CIELCh color 64, 33.045, 251.368 looks on a white background.

## Color Contrast Check

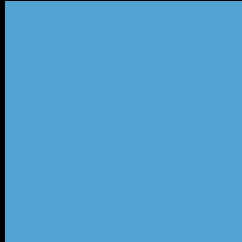
Large Text (above 18pt) WCAG AA × Fail

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, 33.045, 251.368 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

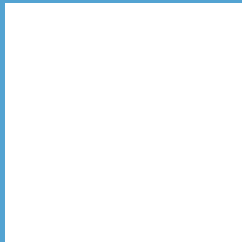
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 64, 33.045, 251.368

## Background



This preview shows how black text looks on a background with the CIELCh color 64, 33.045, 251.368.

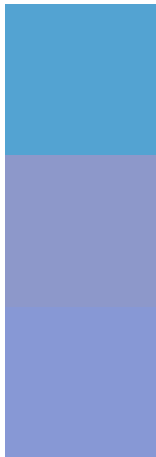


This preview shows how white text looks on a background with the CIELCh color 64, 33.045, 251.368.

# 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, 33.045, 251.368


### Protanopia

64, 28.039, 285.760

### Deuteranopia

64, 34.259, 284.853





**Tritanopia**  
64, 28.682, 213.204

# Trichromacy



**Original Color**  
64, 33.045, 251.368

**Protanomaly**  
63, 29.035, 270.513

**Deuteranomaly**  
64, 32.888, 272.125

**Tritanomaly**  
64, 28.820, 228.129

# Monochromacy



**Original Color**  
64, 33.045, 251.368

**Achromatopsia**  
60, 0.008, 296.813

**Achromatomaly**  
61, 13.645, 243.510

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 64, 33.045, 251.368 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(83, 163, 210)` looks like.

```
.text, #text, p{  
    color:rgb(83, 163, 210)  
}
```

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(83, 163, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 163, 210) }
```

## Border

The CSS property to change the border of an element to CIELCh 64, 33.045, 251.368 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(83, 163, 210) }
```

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

```
.border{ border-color:rgb(83, 163, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 163, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 163, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 163, 210);  
box-shadow:4px 4px 4px 4px rgb(83, 163,  
210) }
```

# Background

The CSS property to change the background color of an element to CIELCh 64, 33.045, 251.368 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 163, 210) }
```

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

```
.background{ background-color: rgb(83, 163,  
210) }
```

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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