

# Converting Colors

CIELCh(65, 31.794, 251.990)

Have a look what the booklet for  
CIELCh(65, 31.794, 251.990)  
contains.

<b>CIELCh(65, 31.818, 252.475)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	21
<i><b>Color Blindness Simulation</b></i> .....	24
<i><b>CSS Examples</b></i> .....	27

# **Color**

**CIELCh(65, 31.818, 252.475)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5CA5D3
RGB	92, 165, 211
RGB Percent	36%, 65%, 83%
CMY	0.6377, 0.3516, 0.1712
CMYK	0.56, 0.22, 0.00, 0.17
HSL	203°, 58%, 60%
HSV	203°, 56%, 83%
XYZ	29.7691, 34.0472, 66.8635
YIQ	148.4170, -58.2740, -1.1700

# Conversions

## Conversions Part 2

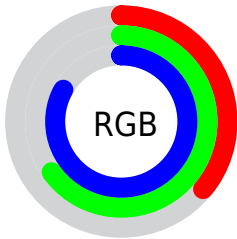
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	92, 137, 211
Decimal	6071763
CIE Lab	65.00, -9.58, -30.34
CIE LCh	65, 31.818, 252.475
Yxy	34.0472, 0.2278, 0.2605
Android (android.graphics.Color)	4284261843 (0xFF5CA5D3)
YUV	148.4170, 30.8534, -49.4777
Hunter-Lab	58.3500, -11.0449, -27.0957

# Details

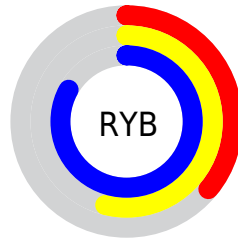
The CIELCh color **65, 31.818, 252.475** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **64, 42.672, 57.204**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 27.302, 241.184**, and **45, 31.795, 252.638** is the 20% darker color. If you saturate the color by 10%, you get **62, 36.394, 255.769**, and if you desaturate by 10%, it is **68, 26.878, 249.746**.

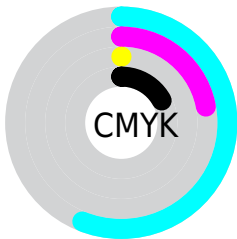
# Distribution



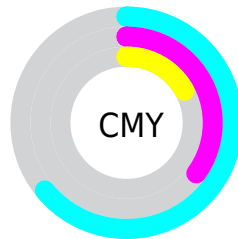
- Red (36%)
- Green (65%)
- Blue (83%)



- Red (36%)
- Yellow (54%)
- Blue (83%)



- Cyan (56%)
- Magenta (22%)
- Yellow (0%)
- Black (17%)




- Cyan (64%)
- Magenta (35%)
- Yellow (17%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 31.818, 252.475 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 65, 31.818, 252.475 by changing the saturation by 10% instead.





 65, 31.818,  
252.475


 65, 31.818,  
252.475


 100, 31.818,  
252.475


 55, 31.818,  
252.475


 85, 31.818,  
252.475

 45, 31.818,  
252.475

 95, 31.818,  
252.475

 35, 31.818,  
252.475

 25, 31.818,  
252.475

 15, 31.818,  
252.475

 5, 31.818, 252.475

 0, 31.818, 252.475

65, 31.818,  
252.475

65, 31.818,  
252.475

62, 36.394,  
255.769

68, 26.878,  
249.746

59, 40.648,  
259.674

72, 21.581,  
247.510

56, 44.676,  
264.175

75, 15.962,  
245.688

53, 48.633,  
269.150

79, 10.066,  
244.211

52, 50.146,  
270.975

82, 3.948, 243.060

86, 2.345, 61.733

90, 8.766, 61.048

93, 13.495, 67.139

95, 15.322, 85.973



# Harmonies

# Complementary

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



65, 31.818, 252.475



64, 42.672, 57.204

# Rectangle

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



65, 31.818, 252.475



65, 31.818, 302.475



65, 31.818, 72.475



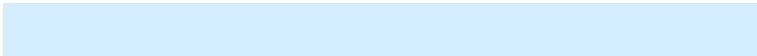
65, 31.818, 122.475

# Sweetspot

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



65, 31.817, 252.475



93, 12.214, 244.330



77, 56.454, 152.009



49, 8.142, 244.610



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

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



65, 31.817, 252.475



73, 43.158, 256.664



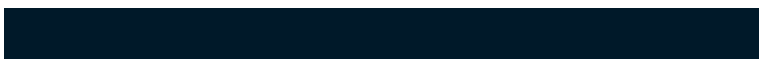
49, 61.462, 294.334



42, 3.513, 243.376



42, 41.811, 270.093



8, 13.897, 258.495



# Inverse Universe

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



56, 57.398, 343.289



62, 77.019, 345.067



79, 54.144, 98.871



41, 5.862, 338.682



37, 64.491, 351.542



5, 23.239, 346.394



# Previews

## White Background



This preview shows how the CIELCh color 65, 31.818, 252.475 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 65, 31.818, 252.475 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

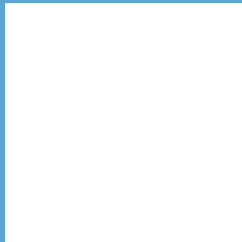
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 65, 31.818, 252.475

## Background



This preview shows how black text looks on a background with the CIELCh color 65, 31.818, 252.475.

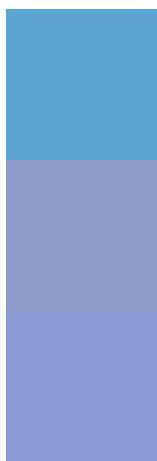


This preview shows how white text looks on a background with the CIELCh color 65, 31.818, 252.475.

# 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

65, 31.818, 252.475

### Protanopia

65, 27.396, 285.463

### Deuteranopia

65, 32.987, 285.336





**Tritanopia**  
65, 27.024, 214.306

# Trichromacy



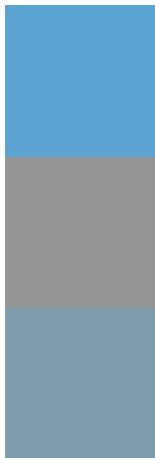
**Original Color**  
65, 31.818, 252.475

**Protanomaly**  
65, 28.269, 270.910

**Deuteranomaly**  
65, 31.461, 272.884

**Tritanomaly**  
65, 27.317, 230.029

# Monochromacy



**Original Color**  
65, 31.818, 252.475

**Achromatopsia**  
62, 0.008, 296.813

**Achromatomaly**  
63, 13.157, 245.462

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 65, 31.818, 252.475 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(92, 165, 211)` looks like.

```
.text, #text, p{  
    color:rgb(92, 165, 211)  
}
```

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(92, 165, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 165, 211) }
```

## Border

The CSS property to change the border of an element to CIELCh 65, 31.818, 252.475 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(92, 165, 211) }
```

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

```
.border{ border-color:rgb(92, 165, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(92, 165, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 165, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 165, 211);  
box-shadow:4px 4px 4px 4px rgb(92, 165,  
211) }
```

# Background

The CSS property to change the background color of an element to CIELCh 65, 31.818, 252.475 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 165, 211) }
```

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

```
.background{ background-color: rgb(92, 165,  
211) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor