

# Converting Colors

CIELCh(68, 29.499, 239.560)

Have a look what the booklet for  
CIELCh(68, 29.499, 239.560)  
contains.

<b>CIELCh(68, 29.503, 239.190)</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(68, 29.503, 239.190)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5EB0D3
RGB	94, 176, 211
RGB Percent	37%, 69%, 83%
CMY	0.6327, 0.3111, 0.1739
CMYK	0.56, 0.17, 0.00, 0.17
HSL	198°, 57%, 60%
HSV	198°, 56%, 83%
XYZ	31.7584, 37.9720, 67.0648
YIQ	155.4720, -60.1070, -6.4990

# Conversions

## Conversions Part 2

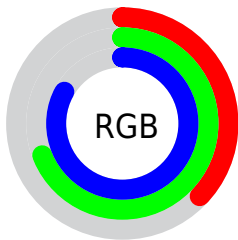
Format	Color
R <sub>Y</sub> B	94, 142, 211
Decimal	6205651
CIE Lab	68.00, -15.11, -25.34
CIE LCh	68, 29.503, 239.190
Yxy	37.9720, 0.2322, 0.2776
Android (android.graphics.Color)	4284395731 (0xFF5EB0D3)
YUV	155.4720, 27.3753, -53.9109
Hunter-Lab	61.6215, -15.8425, -21.3924

# Details

The CIELCh color **68, 29.503, 239.190** 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, 42.855, 48.854**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 26.579, 225.124**, and **48, 29.448, 239.454** is the 20% darker color. If you saturate the color by 10%, you get **65, 33.241, 241.963**, and if you desaturate by 10%, it is **71, 25.201, 236.967**.

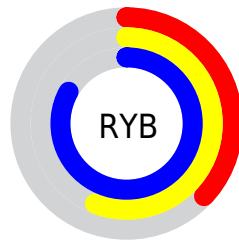
# Distribution



Red (37%)

Green (69%)

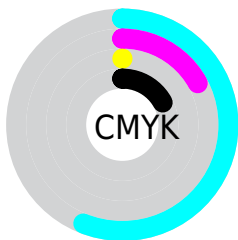
Blue (83%)



Red (37%)

Yellow (56%)

Blue (83%)

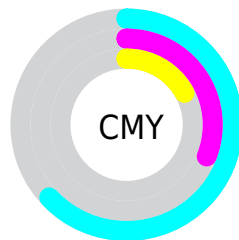


Cyan (56%)

Magenta (17%)

Yellow (0%)

Black (17%)



Cyan (63%)

Magenta (31%)


Yellow (17%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 29.503, 239.190 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 68, 29.503, 239.190 by changing the saturation by 10% instead.





 68, 29.503,  
239.190


 68, 29.503,  
239.190


 100, 29.503,  
239.190


 58, 29.503,  
239.190


 88, 29.503,  
239.190

 48, 29.503,  
239.190

 98, 29.503,  
239.190

 38, 29.503,  
239.190

 28, 29.503,  
239.190

 18, 29.503,  
239.190

 8, 29.503, 239.190

 0, 29.503, 239.190

68, 29.503,  
239.190

68, 29.503,  
239.190

65, 33.241,  
241.963

71, 25.201,  
236.967

63, 36.422,  
245.374

74, 20.376,  
235.205

61, 39.116,  
249.472

76, 15.091,  
233.819

59, 41.468,  
254.228

80, 9.419, 232.743

58, 42.507,  
256.417

83, 3.434, 231.978

86, 2.799, 50.961

89, 9.219, 50.561

92, 13.458, 55.955

93, 14.017, 72.120



# Harmonies

# Complementary

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



68, 29.503, 239.190



62, 42.855, 48.854

# Rectangle

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



68, 29.503, 239.190



68, 29.503, 289.190



68, 29.503, 59.190



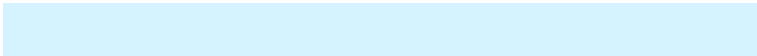
68, 29.503, 109.190

# Sweetspot

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



68, 29.502, 239.189



94, 11.981, 232.900



76, 60.319, 148.185



49, 7.974, 233.105



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

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



68, 29.502, 239.189



77, 39.249, 242.653



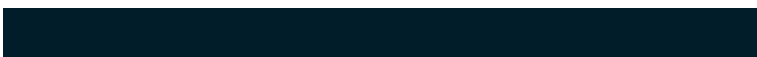
52, 53.168, 289.239



42, 3.464, 232.224



47, 35.701, 255.545



9, 12.673, 244.048



# Inverse Universe

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



57, 59.774, 338.678



63, 80.370, 339.990



76, 49.210, 92.611



41, 6.239, 334.853



37, 67.754, 344.660

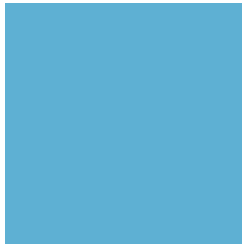


5, 24.720, 340.874



# Previews

## White Background



This preview shows how the CIE LCh color 68, 29.503, 239.190 looks on a white background.

## Color Contrast Check

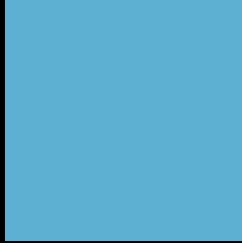
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the CIELCh color 68, 29.503, 239.190 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 68, 29.503, 239.190

## Background



This preview shows how black text looks on a background with the CIELCh color 68, 29.503, 239.190.



This preview shows how white text looks on a background with the CIELCh color 68, 29.503, 239.190.

# 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

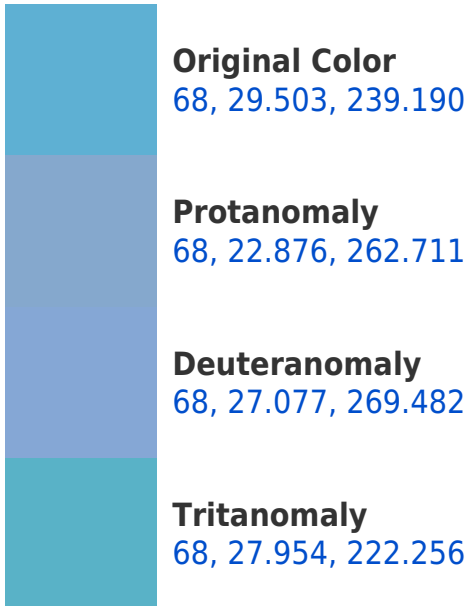




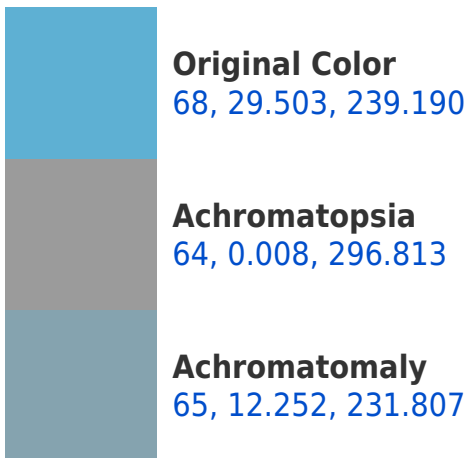


**Tritanopia**  
68, 27.985, 213.542

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 68, 29.503, 239.190 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(94, 176, 211)` looks like.

```
.text, #text, p{  
    color:rgb(94, 176, 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(94, 176, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 176, 211) }
```

## Border

The CSS property to change the border of an element to CIELCh 68, 29.503, 239.190 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(94, 176, 211) }
```

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

```
.border{ border-color:rgb(94, 176, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 176, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 176, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 176, 211);  
box-shadow:4px 4px 4px 4px rgb(94, 176,  
211) }
```

# Background

The CSS property to change the background color of an element to CIELCh 68, 29.503, 239.190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 176, 211) }
```

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

```
.background{ background-color: rgb(94, 176,  
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](#).

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