

# Converting Colors

CIELCh(68, 26.256, 249.854)

Have a look what the booklet for  
CIELCh(68, 26.256, 249.854)  
contains.

<b>CIELCh(68, 26.256, 249.854)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	20
<b><i>Color Blindness Simulation</i></b> .....	23
<b><i>CSS Examples</i></b> .....	26

# **Color**

**CIELCh(68, 26.256, 249.854)**

# Conversions

## Conversions Part 1

Format	Color
Hex	73ADD2
RGB	115, 173, 210
RGB Percent	45%, 68%, 82%
CMY	0.5507, 0.3232, 0.1782
CMYK	0.45, 0.18, 0.00, 0.18
HSL	203°, 51%, 64%
HSV	203°, 45%, 82%
XYZ	33.4540, 37.9720, 66.2527
YIQ	159.8760, -46.4450, -0.7890

# Conversions

## Conversions Part 2

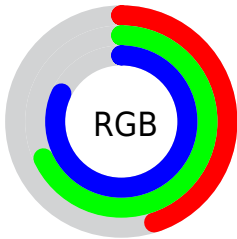
<b>Format</b>	<b>Color</b>
<b>RYB</b>	115, 151, 210
Decimal	7581138
CIELab	68.00, -9.04, -24.65
CIELCh	68, 26.256, 249.854
Yxy	37.9720, 0.2430, 0.2758
Android (android.graphics.Color)	4285771218 (0xFF73ADD2)
YUV	159.8760, 24.7111, -39.3563
Hunter-Lab	61.6215, -10.9306, -20.6110

# Details

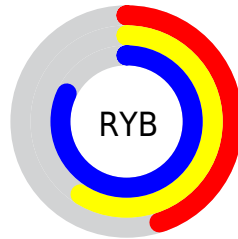
The CIELCh color **68, 26.256, 249.854** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **67, 32.931, 58.348**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 22.308, 238.003**, and **48, 26.034, 249.050** is the 20% darker color. If you saturate the color by 10%, you get **65, 31.219, 252.536**, and if you desaturate by 10%, it is **71, 20.944, 247.653**.

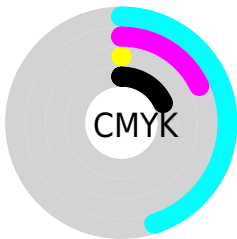
# Distribution



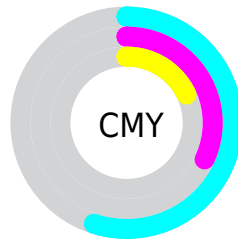
- Red (45%)
- Green (68%)
- Blue (82%)



- Red (45%)
- Yellow (59%)
- Blue (82%)



- Cyan (45%)
- Magenta (18%)
- Yellow (0%)
- Black (18%)




- Cyan (55%)
- Magenta (32%)
- Yellow (18%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 26.256, 249.854 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, 26.256, 249.854 by changing the saturation by 10% instead.





 68, 26.256,  
249.854


 68, 26.256,  
249.854


 100, 26.256,  
249.854


 58, 26.256,  
249.854


 88, 26.256,  
249.854

 48, 26.256,  
249.854

 98, 26.256,  
249.854

 38, 26.256,  
249.854

 28, 26.256,  
249.854

 18, 26.256,  
249.854

 8, 26.256, 249.854

 0, 26.256, 249.854

68, 26.256,  
249.854

68, 26.256,  
249.854

65, 31.219,  
252.536

71, 20.944,  
247.653

62, 35.829,  
255.777

75, 15.320,  
245.860

59, 40.118,  
259.624

78, 9.431, 244.406

56, 44.178,  
264.068

82, 3.329, 243.289

86, 2.939, 61.995

53, 48.153,  
269.003

89, 9.330, 61.280

52, 50.063,  
271.310

93, 14.072, 66.940

95, 15.843, 85.112

97, 18.835, 98.457

# Harmonies

# Complementary

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



68, 26.256, 249.854



67, 32.931, 58.348

# Rectangle

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



68, 26.256, 249.854



68, 26.256, 299.854



68, 26.256, 69.854



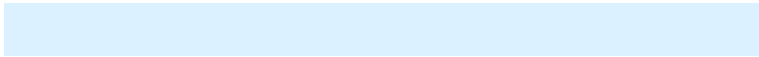
68, 26.256, 119.854

# Sweetspot

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



68, 26.255, 249.853



94, 10.119, 244.256



77, 45.985, 153.522



49, 6.962, 244.539



0, 0.000, 0.000



53, 0.007, 296.813

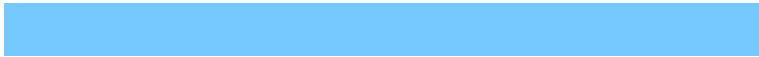


# Same Dimension

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



68, 26.255, 249.853



78, 35.799, 252.325



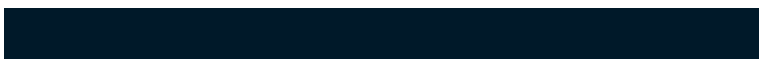
55, 48.112, 291.855



42, 3.516, 243.693



42, 42.021, 270.460



8, 13.943, 258.876





# Inverse Universe

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



61, 46.878, 342.117



68, 64.317, 343.211



79, 43.908, 100.059



41, 5.851, 338.800



37, 64.413, 351.755

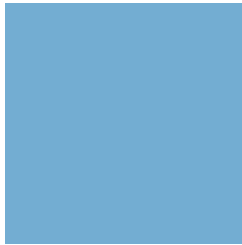


5, 23.201, 346.567



# Previews

## White Background



This preview shows how the CIELCh color 68, 26.256, 249.854 looks on a white background.

## Color Contrast Check

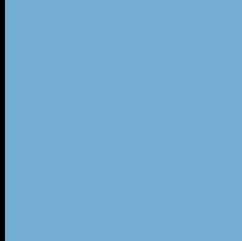
Large Text (above 18pt) WCAG AA × Fail

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, 26.256, 249.854 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

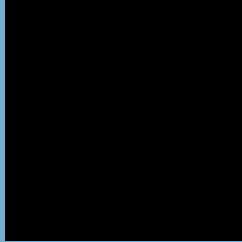
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

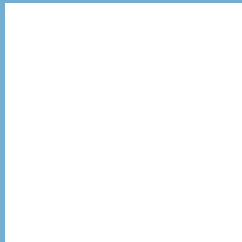
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 68, 26.256, 249.854

## Background



This preview shows how black text looks on a background with the CIELCh color 68, 26.256, 249.854.



This preview shows how white text looks on a background with the CIELCh color 68, 26.256, 249.854.

# 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

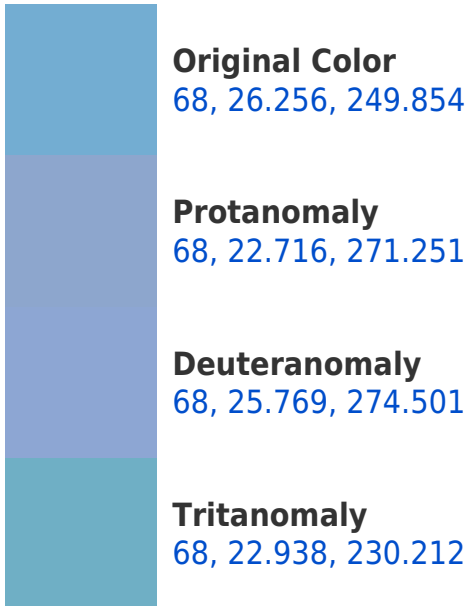




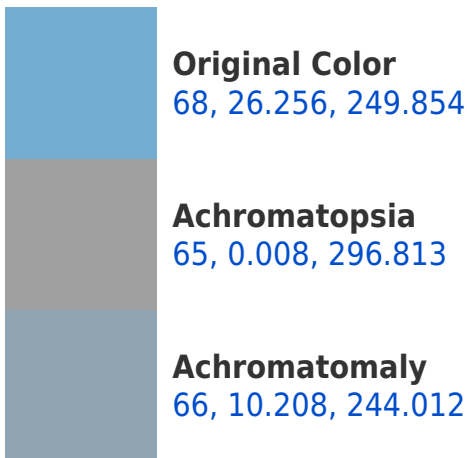
**Tritanopia**  
68, 22.364, 218.181



# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 68, 26.256, 249.854 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(115, 173, 210)` looks like.

```
.text, #text, p{  
    color:rgb(115, 173, 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(115, 173, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 173, 210) }
```

## Border

The CSS property to change the border of an element to CIELCh 68, 26.256, 249.854 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(115, 173, 210) }
```

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

```
.border{ border-color:rgb(115, 173, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 173, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 173, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 173, 210);  
box-shadow:4px 4px 4px 4px rgb(115, 173,  
210) }
```

# Background

The CSS property to change the background color of an element to CIELCh 68, 26.256, 249.854 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 173, 210) }
```

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

```
.background{ background-color: rgb(115,  
173, 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](#).

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