

# Converting Colors

CIELCh(68, 21.139, 220.386)

Have a look what the booklet for  
CIELCh(68, 21.139, 220.386)  
contains.

<b>CIELCh(68, 21.250, 221.035)</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, 21.250, 221.035)**

# Conversions

## Conversions Part 1

Format	Color
Hex	71AFBE
RGB	113, 175, 190
RGB Percent	44%, 69%, 75%
CMY	0.5562, 0.3131, 0.2542
CMYK	0.40, 0.08, 0.00, 0.25
HSL	192°, 37%, 59%
HSV	192°, 40%, 75%
XYZ	31.5070, 37.9720, 54.4812
YIQ	158.1720, -41.7670, -8.4790

# Conversions

## Conversions Part 2

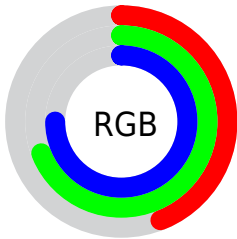
Format	Color
<a href="#">RYB</a>	<a href="#">113, 147, 190</a>
Decimal	<a href="#">7450558</a>
CIELab	<a href="#">68.00, -16.03, -13.95</a>
CIElCh	<a href="#">68, 21.250, 221.035</a>
Yxy	<a href="#">37.9720, 0.2542, 0.3063</a>
Android (android.graphics.Color)	<a href="#">4285640638</a> ( <a href="#">0xFF71AFBE</a> )
YUV	<a href="#">158.1720, 15.6912, -39.6158</a>
Hunter-Lab	<a href="#">61.6215, -16.5707, -9.2848</a>

# Details

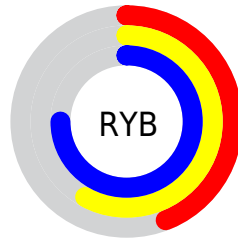
The CIELCh color **68, 21.250, 221.035** is a light color, and the websafe version is hex **669999**. A complement of this color would be **60, 28.471, 38.958**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 21.249, 219.993**, and **48, 21.223, 222.470** is the 20% darker color. If you saturate the color by 10%, you get **66, 25.249, 222.161**, and if you desaturate by 10%, it is **70, 16.667, 220.202**.

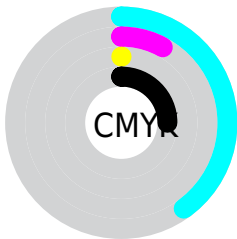
# Distribution



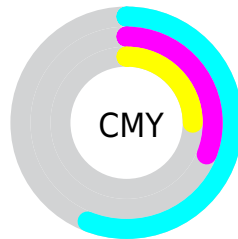
- Red (44%)
- Green (69%)
- Blue (75%)



- Red (44%)
- Yellow (58%)
- Blue (75%)



- Cyan (40%)
- Magenta (8%)
- Yellow (0%)
- Black (25%)




- Cyan (56%)
- Magenta (31%)
- Yellow (25%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 21.250, 221.035 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, 21.250, 221.035 by changing the saturation by 10% instead.





 68, 21.250,  
221.035


 68, 21.250,  
221.035


 100, 21.250,  
221.035


 58, 21.250,  
221.035


 88, 21.250,  
221.035

 48, 21.250,  
221.035

 98, 21.250,  
221.035

 38, 21.250,  
221.035

 28, 21.250,  
221.035

 18, 21.250,  
221.035

 8, 21.250, 221.035

 0, 21.250, 221.035

68, 21.250,  
221.035

68, 21.250,  
221.035

66, 25.249,  
222.161

70, 16.667,  
220.202

64, 28.588,  
223.656

72, 11.588,  
219.615

63, 31.218,  
225.598

75, 6.103, 219.240

61, 33.131,  
228.066

77, 0.294, 220.670

79, 5.766, 38.637

60, 34.384,  
231.131

82, 12.014, 38.614

59, 35.161,  
234.519

85, 18.396, 38.627

86, 20.987, 41.872

87, 20.502, 48.078

# Harmonies

# Complementary

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



68, 21.250, 221.035



60, 28.471, 38.958

# Rectangle

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



68, 21.250, 221.035



68, 21.250, 271.035



68, 21.250, 41.035



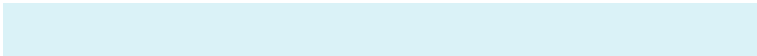
68, 21.250, 91.035

# Sweetspot

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



68, 21.250, 221.032



94, 8.605, 219.288



71, 44.548, 146.658



50, 5.734, 219.330



99, 0.012, 296.813



52, 0.007, 296.813



# Same Dimension

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



68, 21.250, 221.032



84, 30.447, 222.071



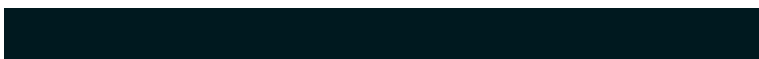
57, 30.600, 279.141



39, 3.286, 219.213



49, 30.636, 233.933



7, 9.513, 227.719





# Inverse Universe

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



58, 44.278, 332.963



70, 65.332, 333.616



69, 30.552, 87.225



37, 6.174, 330.893



36, 69.619, 337.704

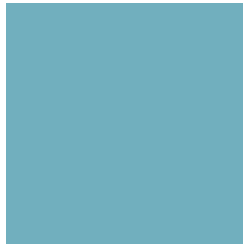


3, 17.715, 333.929



# Previews

## White Background



This preview shows how the CIELCh color 68, 21.250, 221.035 looks on a white background.

## Color Contrast Check

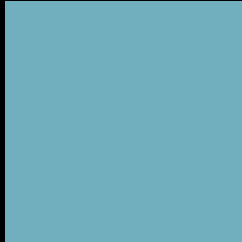
Large Text (above 18pt) WCAG AA × Fail

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, 21.250, 221.035 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

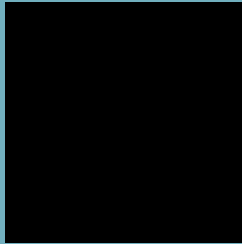
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

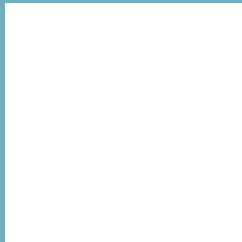
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 68, 21.250, 221.035

## Background



This preview shows how black text looks on a background with the CIELCh color 68, 21.250, 221.035.



This preview shows how white text looks on a background with the CIELCh color 68, 21.250, 221.035.

# 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

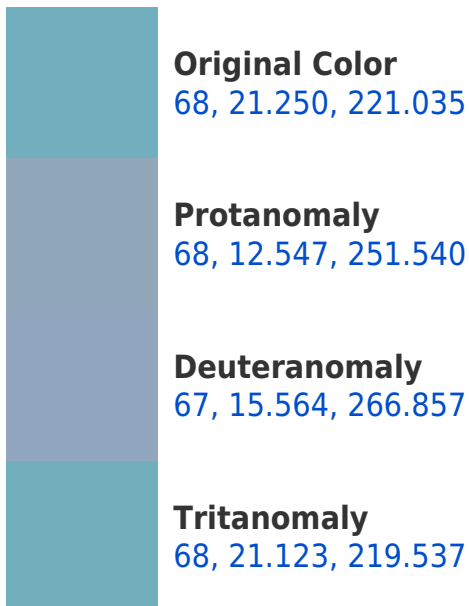




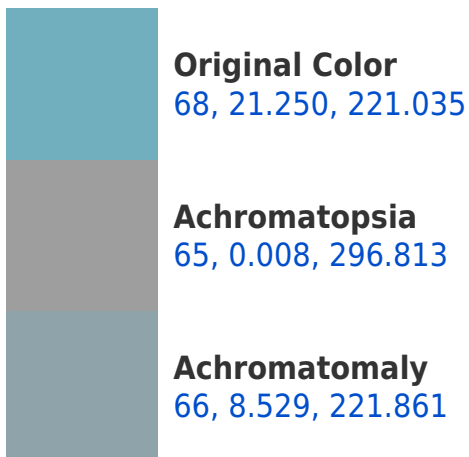
**Tritanopia**  
68, 21.123, 219.537



# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 68, 21.250, 221.035 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(113, 175, 190)` looks like.

```
.text, #text, p{  
    color:rgb(113, 175, 190)  
}
```

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(113, 175, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 175, 190) }
```

## Border

The CSS property to change the border of an element to CIELCh 68, 21.250, 221.035 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(113, 175, 190) }
```

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

```
.border{ border-color:rgb(113, 175, 190) }
```

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

Here you see how a box with a 4 pixel rgb(113, 175, 190) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 175, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 175, 190);  
box-shadow:4px 4px 4px 4px rgb(113, 175,  
190) }
```

# Background

The CSS property to change the background color of an element to CIELCh 68, 21.250, 221.035 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 175, 190) }
```

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

```
.background{ background-color: rgb(113,  
175, 190) }
```

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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