

# Converting Colors

CIELCh(67, 28.125, 216.149)

Have a look what the booklet for  
CIELCh(67, 28.125, 216.149)  
contains.

<b>CIELCh(67, 28.227, 215.829)</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(67, 28.227, 215.829)**

# Conversions

## Conversions Part 1

Format	Color
Hex	53B0C0
RGB	83, 176, 192
RGB Percent	33%, 69%, 75%
CMY	0.6751, 0.3103, 0.2476
CMYK	0.57, 0.08, 0.00, 0.25
HSL	189°, 46%, 54%
HSV	189°, 57%, 75%
XYZ	28.5541, 36.6320, 55.3587
YIQ	150.0170, -60.5640, -14.7400

# Conversions

## Conversions Part 2

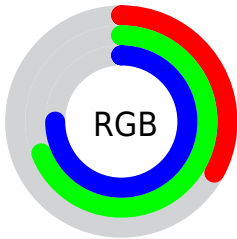
Format	Color
R <sub>Y</sub> B	83, 133, 192
Decimal	5484736
CIE Lab	67.00, -22.89, -16.52
CIE LCh	67, 28.227, 215.829
Yxy	36.6320, 0.2369, 0.3039
Android (android.graphics.Color)	4283674816 (0xFF53B0C0)
YUV	150.0170, 20.6976, -58.7739
Hunter-Lab	60.5244, -21.7050, -11.8627

# Details

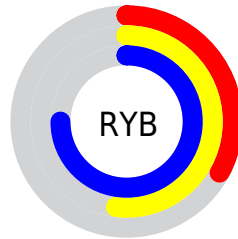
The CIELCh color **67, 28.227, 215.829** is a light color, and the websafe version is hex **339999**. The color can be described as light muted azure. A complement of this color would be **53, 44.216, 36.106**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **87, 28.309, 215.098**, and **47, 28.177, 216.735** is the 20% darker color. If you saturate the color by 10%, you get **66, 31.087, 217.039**, and if you desaturate by 10%, it is **69, 24.606, 214.937**.

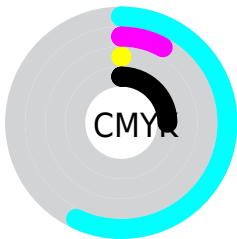
# Distribution



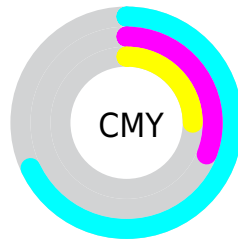
- Red (33%)
- Green (69%)
- Blue (75%)



- Red (33%)
- Yellow (52%)
- Blue (75%)



- Cyan (57%)
- Magenta (8%)
- Yellow (0%)
- Black (25%)



- Cyan (68%)
- Magenta (31%)
- Yellow (25%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 28.227, 215.829 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 67, 28.227, 215.829 by changing the saturation by 10% instead.



 67, 28.227,  
215.829


 67, 28.227,  
215.829


 100, 28.227,  
215.829

 57, 28.227,  
215.829

 87, 28.227,  
215.829

 47, 28.227,  
215.829

 97, 28.227,  
215.829

 37, 28.227,  
215.829

 27, 28.227,  
215.829

 17, 28.227,  
215.829

 7, 28.227, 215.829

 0, 28.227, 215.829

67, 28.227,  
215.829

67, 28.227,  
215.829

66, 31.087,  
217.039

69, 24.606,  
214.937

64, 33.154,  
218.635

70, 20.296,  
214.311

63, 34.446,  
220.676

72, 15.386,  
213.903

62, 35.066,  
223.196

74, 9.973, 213.674

62, 35.211,  
224.043

76, 4.154, 213.637

78, 1.984, 33.230

81, 8.364, 33.510

83, 14.921, 33.673

85, 21.391, 33.980



# Harmonies

# Complementary

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



67, 28.227, 215.829



53, 44.216, 36.106

# Rectangle

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



67, 28.227, 215.829



67, 28.227, 265.829



67, 28.227, 35.829



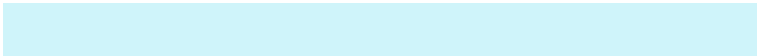
67, 28.227, 85.829

# Sweetspot

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



67, 28.226, 215.827



94, 12.479, 213.681



70, 63.754, 143.163



49, 8.293, 213.715



99, 0.012, 296.813



52, 0.007, 296.813





# Same Dimension

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



67, 28.226, 215.827



83, 38.578, 217.367



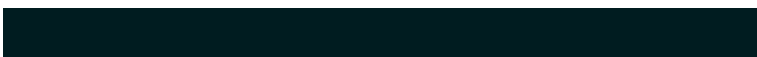
52, 40.955, 279.505



40, 3.461, 213.620



52, 30.883, 223.629



9, 10.708, 217.585



# Inverse Universe

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



52, 62.492, 332.233



63, 88.279, 333.008



65, 42.117, 80.717



38, 6.530, 329.265



37, 73.022, 335.002



4, 21.087, 331.966



# Previews

## White Background



This preview shows how the CIELCh color 67, 28.227, 215.829 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 67, 28.227, 215.829 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

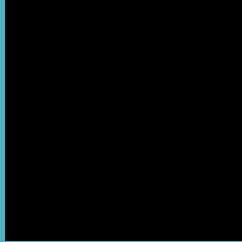
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**CIELCh 67, 28.227, 215.829**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 67, 28.227, 215.829.



This preview shows how white text looks on a background with the CIELCh color 67, 28.227, 215.829.

# 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

67, 28.227, 215.829

### Protanopia

67, 11.631, 287.841

### Deuteranopia

67, 21.112, 295.151



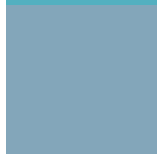


**Tritanopia**  
67, 28.322, 213.353

# Trichromacy



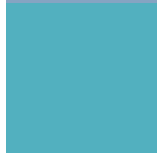
**Original Color**  
67, 28.227, 215.829



**Protanomaly**  
66, 15.897, 243.130



**Deuteranomaly**  
66, 19.188, 259.468

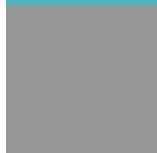


**Tritanomaly**  
67, 28.364, 214.522

# Monochromacy



**Original Color**  
67, 28.227, 215.829



**Achromatopsia**  
62, 0.008, 296.813



**Achromatomaly**  
63, 12.082, 214.661

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 67, 28.227, 215.829 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, 176, 192)` looks like.

```
.text, #text, p{  
    color:rgb(83, 176, 192)  
}
```

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, 176, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 176, 192) }
```

## Border

The CSS property to change the border of an element to CIELCh 67, 28.227, 215.829 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, 176, 192) }
```

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

```
.border{ border-color:rgb(83, 176, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 176, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 176, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 176, 192);  
box-shadow:4px 4px 4px 4px rgb(83, 176,  
192) }
```

# Background

The CSS property to change the background color of an element to CIELCh 67, 28.227, 215.829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 176, 192) }
```

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

```
.background{ background-color: rgb(83, 176,  
192) }
```

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