

# Converting Colors

CIELCh(67, 28.577, 220.870)

Have a look what the booklet for  
CIELCh(67, 28.577, 220.870)  
contains.

<b>CIELCh(67, 28.641, 221.646)</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, 28.641, 221.646)**

# Conversions

## Conversions Part 1

Format	Color
Hex	52AFC4
RGB	82, 175, 196
RGB Percent	32%, 69%, 77%
CMY	0.6767, 0.3122, 0.2298
CMYK	0.58, 0.11, 0.00, 0.23
HSL	191°, 49%, 55%
HSV	191°, 58%, 77%
XYZ	28.9352, 36.6320, 58.0109
YIQ	149.5870, -62.1690, -13.1850

# Conversions

## Conversions Part 2

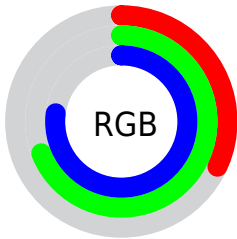
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	82, 133, 196
Decimal	5418948
CIE Lab	67.00, -21.40, -19.03
CIE LCh	67, 28.641, 221.646
Yxy	36.6320, 0.2341, 0.2964
Android (android.graphics.Color)	4283609028 (0xFF52AFC4)
YUV	149.5870, 22.8816, -59.2738
Hunter-Lab	60.5244, -20.5811, -14.4608

# Details

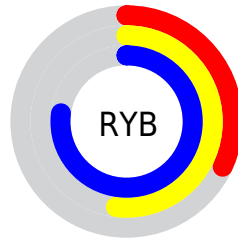
The CIELCh color **67, 28.641, 221.646** is a light color, and the websafe version is hex **339999**. The color can be described as light muted azure. A complement of this color would be **54, 45.160, 39.099**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **87, 28.669, 221.736**, and **47, 28.273, 222.067** is the 20% darker color. If you saturate the color by 10%, you get **65, 31.489, 223.355**, and if you desaturate by 10%, it is **69, 25.055, 220.343**.

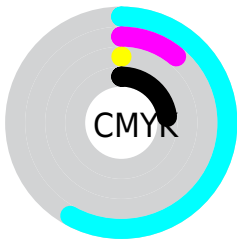
# Distribution



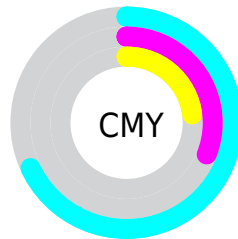
- Red (32%)
- Green (69%)
- Blue (77%)



- Red (32%)
- Yellow (52%)
- Blue (77%)



- Cyan (58%)
- Magenta (11%)
- Yellow (0%)
- Black (23%)



- Cyan (68%)
- Magenta (31%)
- Yellow (23%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 28.641, 221.646 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, 28.641, 221.646 by changing the saturation by 10% instead.



 67, 28.641,  
221.646

 67, 28.641,  
221.646

 100, 28.641,  
221.646

 57, 28.641,  
221.646

 87, 28.641,  
221.646

 47, 28.641,  
221.646

 97, 28.641,  
221.646

 37, 28.641,  
221.646

 27, 28.641,  
221.646

 17, 28.641,  
221.646

 7, 28.641, 221.646

 0, 28.641, 221.646

67, 28.641,  
221.646

67, 28.641,  
221.646

65, 31.489,  
223.355

69, 25.055,  
220.343

64, 33.580,  
225.551

71, 20.796,  
219.376

62, 34.950,  
228.308

73, 15.946,  
218.680

61, 35.744,  
231.632

75, 10.599,  
218.207

61, 35.886,  
232.310

77, 4.849, 217.946

80, 1.221, 37.202

82, 7.535, 37.483

85, 14.030, 37.505

87, 19.069, 38.916



# Harmonies

# Complementary

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



67, 28.641, 221.646



54, 45.160, 39.099

# Rectangle

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



67, 28.641, 221.646



67, 28.641, 271.646



67, 28.641, 41.646



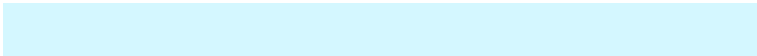
67, 28.641, 91.646

# Sweetspot

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



67, 28.640, 221.645



95, 12.387, 218.180



71, 63.884, 144.500



50, 8.235, 218.257



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

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



67, 28.640, 221.645



82, 39.205, 223.973



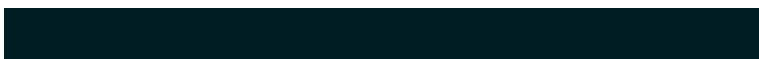
51, 45.847, 283.622



41, 3.451, 217.965



51, 31.258, 231.768



9, 11.219, 223.461



# Inverse Universe

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



53, 63.166, 333.791



63, 89.100, 334.751



68, 45.162, 84.748



39, 6.497, 330.531



37, 71.795, 337.117

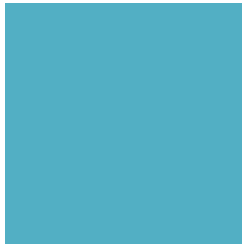


4, 22.762, 334.256



# Previews

## White Background



This preview shows how the CIE LCh color 67, 28.641, 221.646 looks on a white background.

## Color Contrast Check

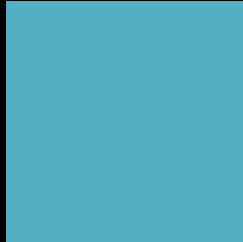
Large Text (above 18pt) WCAG AA × Fail

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, 28.641, 221.646 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, 28.641, 221.646

## Background



This preview shows how black text looks on a background with the CIELCh color 67, 28.641, 221.646.



This preview shows how white text looks on a background with the CIELCh color 67, 28.641, 221.646.

# 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, 28.641, 221.646

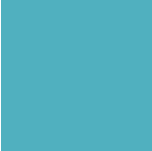
### Protanopia

67, 14.403, 287.434

### Deuteranopia

67, 22.704, 292.491





**Tritanopia**  
67, 28.743, 214.263

# Trichromacy



**Original Color**  
67, 28.641, 221.646



**Protanomaly**  
66, 17.350, 249.078



**Deuteranomaly**  
66, 21.420, 260.966



**Tritanomaly**  
67, 28.667, 216.705

# Monochromacy



**Original Color**  
67, 28.641, 221.646



**Achromatopsia**  
62, 0.008, 296.813



**Achromatomaly**  
63, 12.641, 219.292

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 67, 28.641, 221.646 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(82, 175, 196)` looks like.

```
.text, #text, p{  
    color:rgb(82, 175, 196)  
}
```

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(82, 175, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 175, 196) }
```

## Border

The CSS property to change the border of an element to CIELCh 67, 28.641, 221.646 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(82, 175, 196) }
```

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

```
.border{ border-color:rgb(82, 175, 196) }
```

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

Here you see how a box with a 4 pixel rgb(82, 175, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 175, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 175, 196);  
box-shadow:4px 4px 4px 4px rgb(82, 175,  
196) }
```

# Background

The CSS property to change the background color of an element to CIELCh 67, 28.641, 221.646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 175, 196) }
```

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

```
.background{ background-color: rgb(82, 175,  
196) }
```

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