

# Converting Colors

CIELCh(67, 24.898, 233.628)

Have a look what the booklet for  
CIELCh(67, 24.898, 233.628)  
contains.

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# **Color**

**CIELCh(67, 24.881, 233.621)**

# Conversions

## Conversions Part 1

Format	Color
Hex	67ACC6
RGB	103, 172, 198
RGB Percent	40%, 67%, 78%
CMY	0.5947, 0.3241, 0.2222
CMYK	0.48, 0.13, 0.00, 0.22
HSL	196°, 46%, 59%
HSV	196°, 48%, 78%
XYZ	30.6842, 36.6320, 59.0901
YIQ	154.3330, -49.4700, -6.5420

# Conversions

## Conversions Part 2

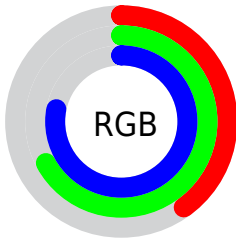
<b>Format</b>	<b>Color</b>
<b>RYB</b>	103, 143, 198
Decimal	6794438
CIELab	67.00, -14.76, -20.03
CIElCh	67, 24.881, 233.621
Yxy	36.6320, 0.2427, 0.2898
Android (android.graphics.Color)	4284984518 (0xFF67ACC6)
YUV	154.3330, 21.5278, -45.0190
Hunter-Lab	60.5244, -15.4229, -15.5180

# Details

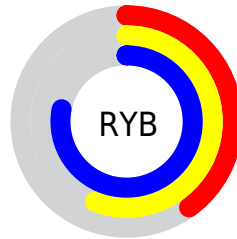
The CIELCh color **67, 24.881, 233.621** is a light color, and the websafe version is hex **3399CC**. A complement of this color would be **61, 34.494, 46.562**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **87, 24.958, 234.559**, and **47, 24.812, 232.916** is the 20% darker color. If you saturate the color by 10%, you get **65, 28.732, 235.748**, and if you desaturate by 10%, it is **70, 20.477, 231.945**.

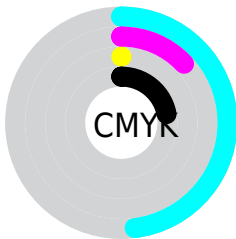
# Distribution



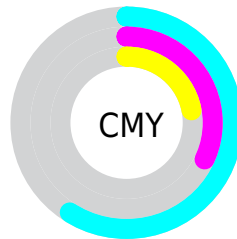
- Red (40%)
- Green (67%)
- Blue (78%)



- Red (40%)
- Yellow (56%)
- Blue (78%)



- Cyan (48%)
- Magenta (13%)
- Yellow (0%)
- Black (22%)




- Cyan (59%)
- Magenta (32%)
- Yellow (22%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 24.881, 233.621 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, 24.881, 233.621 by changing the saturation by 10% instead.





 67, 24.881,  
233.621


 67, 24.881,  
233.621


 100, 24.881,  
233.621


 57, 24.881,  
233.621


 87, 24.881,  
233.621

 47, 24.881,  
233.621

 97, 24.881,  
233.621

 37, 24.881,  
233.621

 27, 24.881,  
233.621

 17, 24.881,  
233.621

 7, 24.881, 233.621

 0, 24.881, 233.621

67, 24.881,  
233.621

67, 24.881,  
233.621

65, 28.732,  
235.748

70, 20.477,  
231.945

62, 31.995,  
238.424

72, 15.587,  
230.642

60, 34.677,  
241.734

75, 10.285,  
229.641

58, 36.847,  
245.730

78, 4.646, 228.916

57, 38.674,  
250.351

81, 1.260, 47.793

56, 39.065,  
251.330

84, 7.371, 47.671

87, 13.635, 47.355

89, 17.580, 51.031

90, 17.580, 62.017



# Harmonies

# Complementary

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



67, 24.881, 233.621



61, 34.494, 46.562

# Rectangle

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



67, 24.881, 233.621



67, 24.881, 283.621



67, 24.881, 53.621



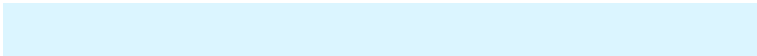
67, 24.881, 103.621

# Sweetspot

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



67, 24.880, 233.619



95, 9.959, 229.340



73, 50.802, 148.626



50, 6.839, 229.515



0, 0.000, 0.000



53, 0.007, 296.813



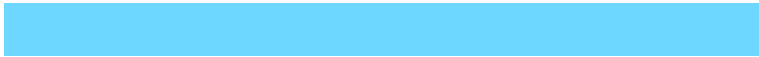


# Same Dimension

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



67, 24.880, 233.619



81, 34.697, 235.738



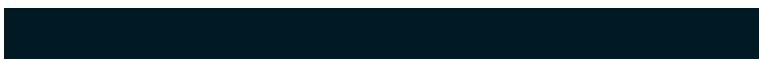
54, 42.169, 286.349



41, 3.334, 229.003



47, 33.625, 250.564



8, 11.219, 240.035



# Inverse Universe

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



57, 50.817, 336.786



67, 72.340, 337.683



72, 40.058, 92.463



39, 6.096, 333.836



36, 67.364, 342.817

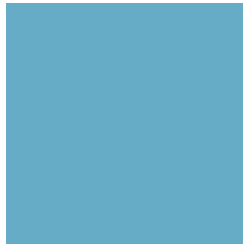


4, 21.035, 339.002



# Previews

## White Background



This preview shows how the CIELCh color 67, 24.881, 233.621 looks on a white background.

## Color Contrast Check

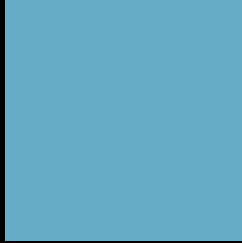
Large Text (above 18pt) WCAG AA × Fail

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, 24.881, 233.621 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, 24.881, 233.621**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 67, 24.881, 233.621.



This preview shows how white text looks on a background with the CIELCh color 67, 24.881, 233.621.

# 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

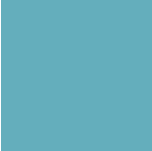


**Original Color**  
67, 24.881, 233.621

**Protanopia**  
67, 16.650, 285.871

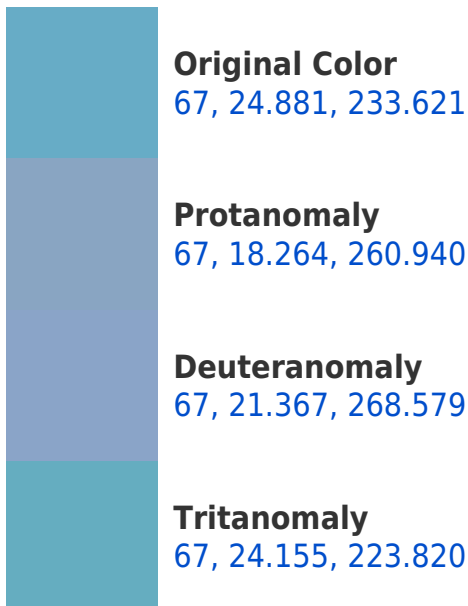
**Deuteranopia**  
67, 23.252, 291.710



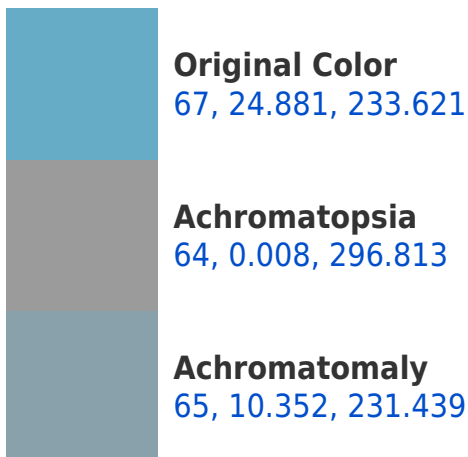


**Tritanopia**  
67, 24.030, 216.633

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 67, 24.881, 233.621 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(103, 172, 198)` looks like.

```
.text, #text, p{  
    color:rgb(103, 172, 198)  
}
```

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(103, 172, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 172, 198) }
```

## Border

The CSS property to change the border of an element to CIELCh 67, 24.881, 233.621 is called "border". The border property can be set on classes, ids or directly on the HTML element.

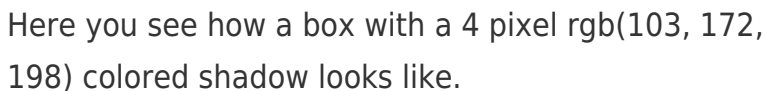
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(103, 172, 198) }
```

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

```
.border{ border-color:rgb(103, 172, 198) }
```

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



Here you see how a box with a 4 pixel `rgb(103, 172, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(103, 172, 198); -webkit-box-shadow:4px 4px 4px 4px rgb(103, 172, 198); box-shadow:4px 4px 4px 4px rgb(103, 172, 198) }
```

# Background

The CSS property to change the background color of an element to CIELCh 67, 24.881, 233.621 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 172, 198) }
```

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

```
.background{ background-color: rgb(103,  
172, 198) }
```

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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