

# Converting Colors

CIELCh(67, 36.293, 253.118)

Have a look what the booklet for  
CIELCh(67, 36.293, 253.118)  
contains.

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# **Color**

**CIELCh(67, 36.245, 252.780)**

# Conversions

## Conversions Part 1

Format	Color
Hex	53ACE1
RGB	83, 172, 225
RGB Percent	33%, 67%, 88%
CMY	0.6759, 0.3267, 0.1189
CMYK	0.63, 0.24, 0.00, 0.12
HSL	202°, 70%, 60%
HSV	202°, 63%, 88%
XYZ	31.7778, 36.6320, 76.4023
YIQ	151.4310, -70.0570, -2.3850

# Conversions

## Conversions Part 2

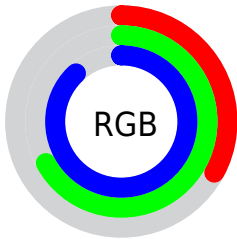
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	83, 138, 225
Decimal	5483745
CIE Lab	67.00, -10.73, -34.62
CIE LCh	67, 36.245, 252.780
Yxy	36.6320, 0.2194, 0.2530
Android (android.graphics.Color)	4283673825 (0xFF53ACE1)
YUV	151.4310, 36.2695, -60.0140
Hunter-Lab	60.5244, -12.1976, -32.4771

# Details

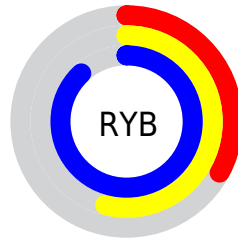
The CIELCh color **67, 36.245, 252.780** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **65, 51.593, 55.374**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 28.140, 229.773**, and **47, 35.329, 253.852** is the 20% darker color. If you saturate the color by 10%, you get **64, 40.610, 256.485**, and if you desaturate by 10%, it is **70, 31.482, 249.692**.

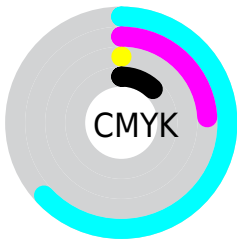
# Distribution



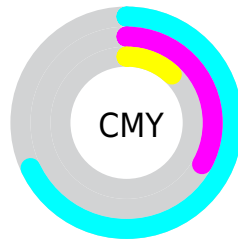
- Red (33%)
- Green (67%)
- Blue (88%)



- Red (33%)
- Yellow (54%)
- Blue (88%)



- Cyan (63%)
- Magenta (24%)
- Yellow (0%)
- Black (12%)




- Cyan (68%)
- Magenta (33%)
- Yellow (12%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 36.245, 252.780 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, 36.245, 252.780 by changing the saturation by 10% instead.





 67, 36.245,  
252.780


 67, 36.245,  
252.780


 100, 36.245,  
252.780


 57, 36.245,  
252.780


 87, 36.245,  
252.780

 47, 36.245,  
252.780

 97, 36.245,  
252.780

 37, 36.245,  
252.780

 27, 36.245,  
252.780

 17, 36.245,  
252.780

 7, 36.245, 252.780

 0, 36.245, 252.780

67, 36.245,  
252.780

67, 36.245,  
252.780

64, 40.610,  
256.485

70, 31.482,  
249.692

61, 44.663,  
260.821

74, 26.303,  
247.156

58, 48.549,  
265.712

77, 20.727,  
245.094

57, 51.218,  
269.156

81, 14.800,  
243.424

84, 8.580, 242.085

88, 2.124, 241.151

92, 4.514, 59.891

95, 9.323, 69.965

97, 11.764, 95.132



# Harmonies

# Complementary

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



67, 36.245, 252.780



65, 51.593, 55.374

# Rectangle

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



67, 36.245, 252.780



67, 36.245, 302.780



67, 36.245, 72.780



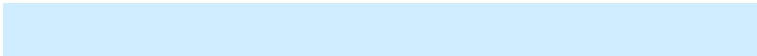
67, 36.245, 122.780

# Sweetspot

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



67, 36.244, 252.780



92, 13.526, 242.840



80, 66.488, 150.207



48, 9.259, 243.247



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, 36.244, 252.780



71, 46.198, 257.855



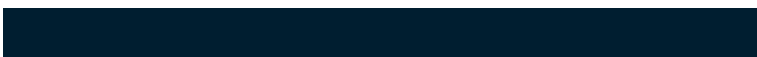
48, 72.013, 295.404



45, 3.705, 241.661



45, 42.163, 268.248



10, 15.508, 258.183



# Inverse Universe

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



57, 66.664, 343.477



60, 82.859, 345.582



82, 62.163, 97.107



44, 6.273, 338.055



38, 67.056, 350.504

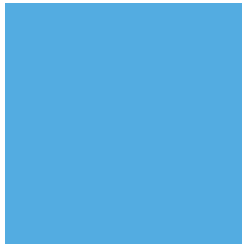


7, 28.112, 345.827



# Previews

## White Background



This preview shows how the CIELCh color 67, 36.245, 252.780 looks on a white background.

## Color Contrast Check

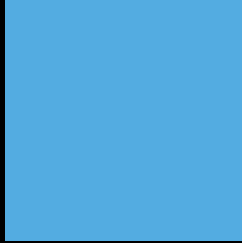
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the CIE LCh color 67, 36.245, 252.780 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

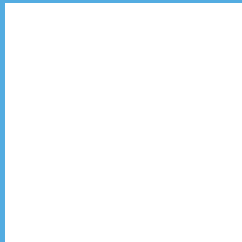
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 67, 36.245, 252.780**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 67, 36.245, 252.780.

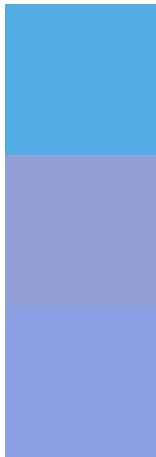


This preview shows how white text looks on a background with the CIELCh color 67, 36.245, 252.780.

# 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, 36.245, 252.780

**Protanopia**  
67, 31.113, 285.651

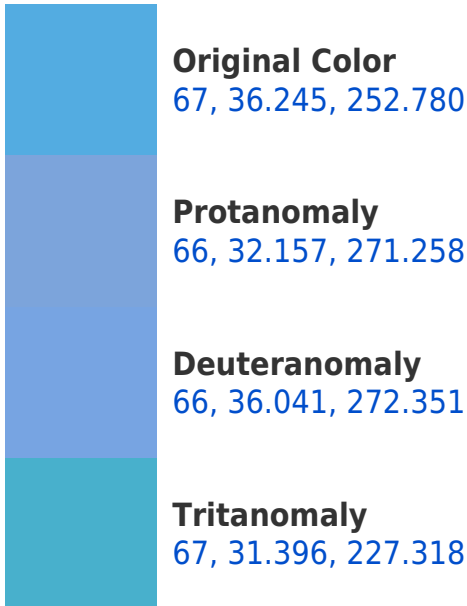
**Deuteranopia**  
67, 37.340, 284.084



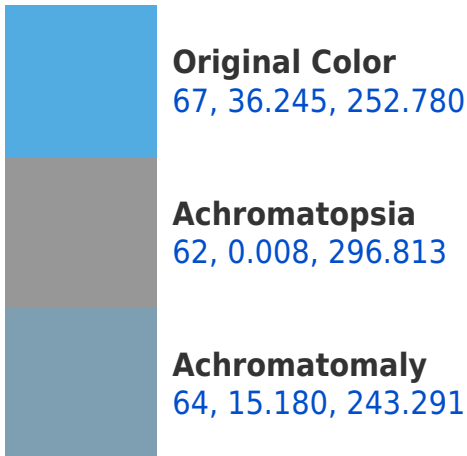


**Tritanopia**  
67, 31.525, 211.449

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 67, 36.245, 252.780 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, 172, 225)` looks like.

```
.text, #text, p{  
    color:rgb(83, 172, 225)  
}
```

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, 172, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 172, 225) }
```

## Border

The CSS property to change the border of an element to CIELCh 67, 36.245, 252.780 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, 172, 225) }
```

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

```
.border{ border-color:rgb(83, 172, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 172, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 172, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 172, 225);  
box-shadow:4px 4px 4px 4px rgb(83, 172,  
225) }
```

# Background

The CSS property to change the background color of an element to CIELCh 67, 36.245, 252.780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 172, 225) }
```

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

```
.background{ background-color: rgb(83, 172,  
225) }
```

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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