

# Converting Colors

CIELCh(67, 85.195, 305.145)

Have a look what the booklet for  
CIELCh(67, 85.195, 305.145)  
contains.

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**Color**

**CIELCh(65, 67.102, 306.677)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B188FF
RGB	177, 136, 255
RGB Percent	69%, 53%, 100%
CMY	0.3070, 0.4677, 0.0012
CMYK	0.31, 0.47, 0.00, 0.00
HSL	261°, 100%, 77%
HSV	261°, 47%, 100%
XYZ	44.8340, 34.0472, 98.5654
YIQ	161.8250, -13.7630, 45.7010

# Conversions

## Conversions Part 2

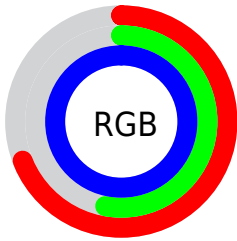
Format	Color
R <sub>Y</sub> B	177, 136, 255
Decimal	11634943
CIE Lab	65.00, 40.08, -53.82
CIE LCh	65, 67.102, 306.677
Yxy	34.0472, 0.2527, 0.1919
Android (android.graphics.Color)	4289825023 (0xFFB188FF)
YUV	161.8250, 45.9353, 13.3085
Hunter-Lab	58.3500, 35.0406, -59.3084

# Details

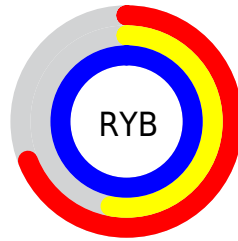
The CIELCh color  $65, 67.102, 306.677$  is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be  $95, 60.950, 120.948$ , and the grayscale version is  $66, 0.008, 296.813$ .

A 20% lighter version of the original color is  $83, 37.723, 316.587$ , and  $45, 67.386, 306.744$  is the 20% darker color. If you saturate the color by 10%, you get  $58, 82.191, 307.498$ , and if you desaturate by 10%, it is  $72, 52.041, 305.871$ .

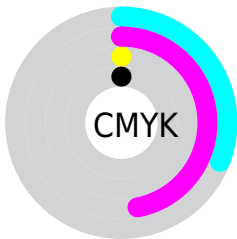
# Distribution



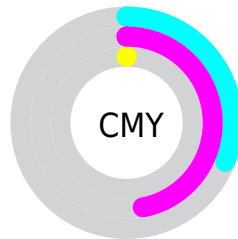
- Red (69%)
- Green (53%)
- Blue (100%)



- Red (69%)
- Yellow (53%)
- Blue (100%)



- Cyan (31%)
- Magenta (47%)
- Yellow (0%)
- Black (0%)




- Cyan (31%)
- Magenta (47%)
- Yellow (0%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 67.102, 306.677 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 65, 67.102, 306.677 by changing the saturation by 10% instead.




 65, 67.102,  
306.677


 65, 67.102,  
306.677


 100, 67.102,  
306.677


 55, 67.102,  
306.677


 85, 67.102,  
306.677

 45, 67.102,  
306.677

 95, 67.102,  
306.677

 35, 67.102,  
306.677

 25, 67.102,  
306.677

 15, 67.102,  
306.677

 5, 67.102, 306.677

 0, 67.102, 306.677

65, 67.102,  
306.677

65, 67.102,  
306.677

58, 82.191,  
307.498

72, 52.041,  
305.871

51, 96.801,  
308.263

80, 37.276,  
305.117

45, 110.054,  
308.857

87, 22.932,  
304.433

41, 120.685,  
309.118

95, 9.054, 303.819

37, 127.414,  
308.889

100, 0.139,  
109.612

36, 129.022,  
308.759

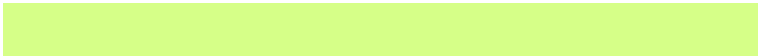
# Harmonies

# Complementary

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



65, 67.102, 306.677



95, 60.950, 120.948

# Rectangle

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



65, 67.102, 306.677



65, 67.102, 356.677



65, 67.102, 126.677



65, 67.102, 176.677

# Sweetspot

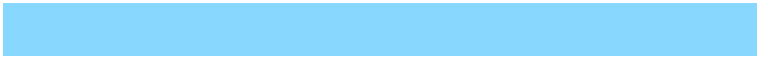
The Sweet Spot groups the original color and five complimentary colors.



65, 67.101, 306.677



89, 19.145, 304.260



82, 30.378, 242.379



46, 13.266, 304.397



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

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



65, 67.101, 306.677



58, 81.207, 307.441



71, 70.827, 321.859



49, 7.716, 303.984



27, 103.794, 308.927



5, 44.828, 308.779





# Inverse Universe

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



72, 58.039, 340.046



68, 68.164, 341.063



92, 69.827, 136.931



50, 7.111, 336.790



42, 72.358, 348.356

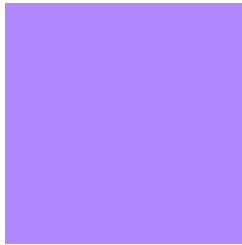


11, 34.123, 345.162



# Previews

## White Background



This preview shows how the CIELCh color 65, 67.102, 306.677 looks on a white background.

## Color Contrast Check

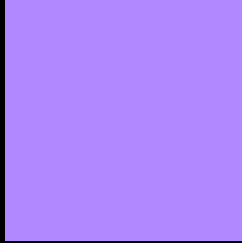
Large Text (above 18pt) WCAG AA × Fail

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 65, 67.102, 306.677 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

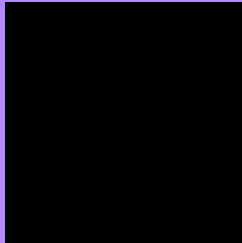
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 65, 67.102, 306.677

## Background



This preview shows how black text looks on a background with the CIELCh color 65, 67.102, 306.677.



This preview shows how white text looks on a background with the CIELCh color 65, 67.102, 306.677.

# 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**  
65, 67.102, 306.677

**Protanopia**  
65, 55.763, 285.766

**Deuteranopia**  
65, 51.956, 280.449



**Tritanopia**  
65, 6.865, 303.429



# Trichromacy



**Original Color**  
65, 67.102, 306.677



**Protanomaly**  
65, 59.374, 293.695



**Deuteranomaly**  
65, 56.666, 290.897



**Tritanomaly**  
65, 29.135, 304.625

# Monochromacy



**Original Color**  
65, 67.102, 306.677



**Achromatopsia**  
67, 0.008, 296.813



**Achromatomaly**  
65, 25.125, 304.671

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 65, 67.102, 306.677 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(177, 136, 255)` looks like.

```
.text, #text, p{  
    color:rgb(177, 136, 255)  
}
```

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(177, 136, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 136, 255) }
```

## Border

The CSS property to change the border of an element to CIELCh 65, 67.102, 306.677 is called "border". The border property can be set on classes, ids or directly on the HTML element.

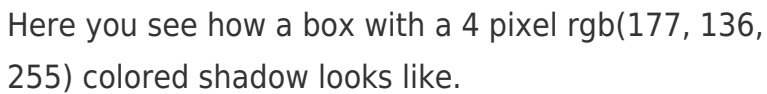
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(177, 136, 255) }
```

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

```
.border{ border-color:rgb(177, 136, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(177, 136, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(177, 136, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(177, 136, 255); box-shadow:4px 4px 4px 4px rgb(177, 136, 255) }
```

# Background

The CSS property to change the background color of an element to CIELCh 65, 67.102, 306.677 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 136, 255) }
```

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

```
.background{ background-color: rgb(177,  
136, 255) }
```

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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