

# Converting Colors

CIELCh(67, 51.254, 263.913)

Have a look what the booklet for  
CIELCh(67, 51.254, 263.913)  
contains.

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# Color

**CIELCh(67, 50.979, 263.564)**

# Conversions

## Conversions Part 1

Format	Color
Hex	25ABFE
RGB	37, 171, 254
RGB Percent	15%, 67%, 100%
CMY	0.8557, 0.3297, 0.0043
CMYK	0.86, 0.33, 0.00, 0.00
HSL	203°, 99%, 57%
HSV	203°, 86%, 100%
XYZ	33.1757, 36.6320, 99.0080
YIQ	140.3960, -106.5070, -2.5950

# Conversions

## Conversions Part 2

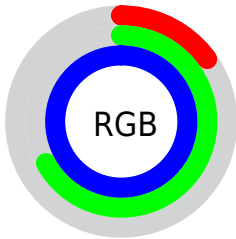
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	37, 120, 254
Decimal	2468862
CIE Lab	67.00, -5.71, -50.66
CIE LCh	67, 50.979, 263.564
Yxy	36.6320, 0.1965, 0.2170
Android (android.graphics.Color)	4280658942 (0xFF25ABFE)
YUV	140.3960, 56.0068, -90.6783
Hunter-Lab	60.5244, -8.0750, -54.6218

# Details

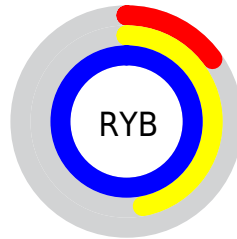
The CIELCh color **67, 50.979, 263.564** is a light color, and the websafe version is hex **0099FF**. The color can be described as light washed azure. A complement of this color would be **65, 79.937, 54.098**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **85, 32.642, 225.852**, and **49, 48.291, 272.025** is the 20% darker color. If you saturate the color by 10%, you get **64, 55.465, 268.610**, and if you desaturate by 10%, it is **70, 46.393, 259.017**.

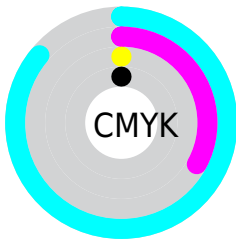
# Distribution



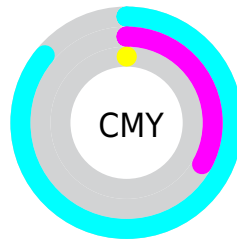
- Red (15%)
- Green (67%)
- Blue (100%)



- Red (15%)
- Yellow (47%)
- Blue (100%)



- Cyan (86%)
- Magenta (33%)
- Yellow (0%)
- Black (0%)



- Cyan (86%)
- Magenta (33%)
- Yellow (0%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 50.979, 263.564 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, 50.979, 263.564 by changing the saturation by 10% instead.



 67, 50.979,  
263.564


 67, 50.979,  
263.564


 100, 50.979,  
263.564

 57, 50.979,  
263.564


 87, 50.979,  
263.564

 47, 50.979,  
263.564

 97, 50.979,  
263.564

 37, 50.979,  
263.564

 27, 50.979,  
263.564

 17, 50.979,  
263.564

 7, 50.979, 263.564

 0, 50.979, 263.564

67, 50.979,  
263.564

67, 50.979,  
263.564

64, 55.465,  
268.610

70, 46.393,  
259.017

63, 57.532,  
270.907

74, 41.529,  
255.084

77, 36.272,  
251.779

81, 30.577,  
249.051

85, 24.454,  
246.824

89, 17.945,  
245.017

93, 11.108,  
243.558

97, 4.007, 242.440

100, 0.544,  
109.995

# Harmonies

# Complementary

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



67, 50.979, 263.564



65, 79.937, 54.098

# Rectangle

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



67, 50.979, 263.564



67, 50.979, 313.564



67, 50.979, 83.564



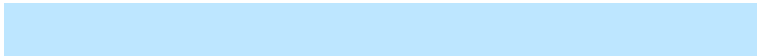
67, 50.979, 133.564

# Sweetspot

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



67, 50.978, 263.565



89, 18.339, 245.099



88, 92.295, 145.990



46, 12.344, 245.689



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, 50.978, 263.565



63, 57.730, 270.919



40, 110.269, 301.536



51, 4.127, 242.836



48, 45.886, 269.957



15, 19.331, 262.713



# Inverse Universe

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



57, 86.069, 348.142



56, 87.796, 352.027



89, 84.482, 94.707



50, 6.923, 338.490



42, 70.939, 351.463

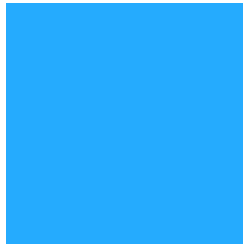


11, 33.442, 347.712



# Previews

## White Background



This preview shows how the CIE LCh color 67, 50.979, 263.564 looks on a white background.

## Color Contrast Check

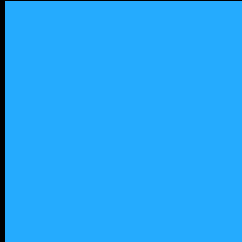
Large Text (above 18pt) WCAG AA × Fail

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, 50.979, 263.564 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

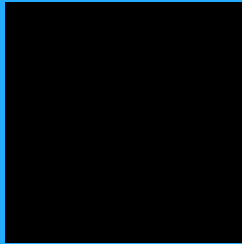
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

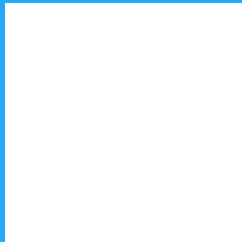
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 67, 50.979, 263.564

## Background



This preview shows how black text looks on a background with the CIELCh color 67, 50.979, 263.564.

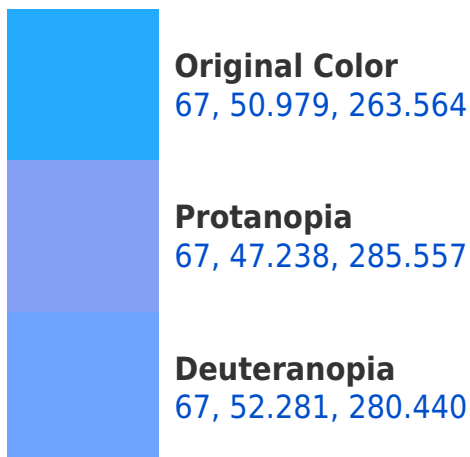


This preview shows how white text looks on a background with the CIELCh color 67, 50.979, 263.564.

# 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







**Tritanopia**  
67, 37.282, 207.892

# Trichromacy



**Original Color**  
67, 50.979, 263.564

**Protanomaly**  
66, 48.865, 274.933

**Deuteranomaly**  
66, 52.066, 273.349

**Tritanomaly**  
67, 38.020, 231.208

# Monochromacy



**Original Color**  
67, 50.979, 263.564

**Achromatopsia**  
58, 0.007, 296.813

**Achromatomaly**  
60, 22.398, 248.045

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 67, 50.979, 263.564 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(37, 171, 254)` looks like.

```
.text, #text, p{  
    color:rgb(37, 171, 254)  
}
```

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(37, 171, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 171, 254) }
```

## Border

The CSS property to change the border of an element to CIELCh 67, 50.979, 263.564 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(37, 171, 254) }
```

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

```
.border{ border-color:rgb(37, 171, 254) }
```

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

Here you see how a box with a 4 pixel rgb(37, 171, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 171, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 171, 254);  
box-shadow:4px 4px 4px 4px rgb(37, 171,  
254) }
```

# Background

The CSS property to change the background color of an element to CIELCh 67, 50.979, 263.564 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 171, 254) }
```

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

```
.background{ background-color: rgb(37, 171,  
254) }
```

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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