

# Converting Colors

CIELCh(67, 93.655, 327.568)

Have a look what the booklet for  
CIELCh(67, 93.655, 327.568)  
contains.

<b>CIELCh(67, 93.562, 327.565)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	21
<i><b>Color Blindness Simulation</b></i> .....	24
<i><b>CSS Examples</b></i> .....	27

**Color**

**CIELCh(67, 93.562, 327.565)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF5FFF
RGB	255, 95, 255
RGB Percent	100%, 37%, 100%
CMY	0.0003, 0.6277, 0.0003
CMYK	0.00, 0.63, 0.00, 0.00
HSL	300°, 100%, 69%
HSV	300°, 63%, 100%
XYZ	63.3363, 36.6320, 98.2794
YIQ	161.0800, 44.0000, 83.6800

# Conversions

## Conversions Part 2

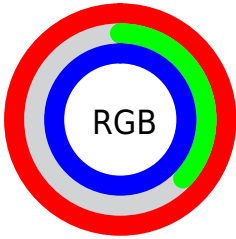
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 95, 255
Decimal	16736255
CIE <sub>Lab</sub>	67.00, 78.97, -50.18
CIE <sub>LCh</sub>	67, 93.562, 327.565
Yxy	36.6320, 0.3195, 0.1848
Android (android.graphics.Color)	4294926335 (0xFFFF5FFF)
YUV	161.0800, 46.3026, 82.3678
Hunter-Lab	60.5244, 80.8754, -53.9081

# Details

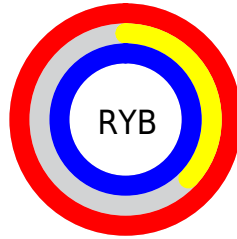
The CIELCh color **67, 93.562, 327.565** is a light color, and the websafe version is hex **FF66FF**. The color can be described as light muted magenta. A complement of this color would be **89, 94.784, 138.833**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **77, 62.108, 326.555**, and **47, 93.672, 327.551** is the 20% darker color. If you saturate the color by 10%, you get **64, 103.353, 327.867**, and if you desaturate by 10%, it is **71, 81.359, 327.181**.

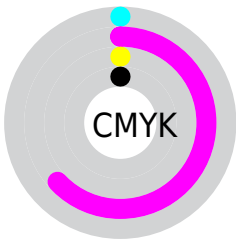
# Distribution



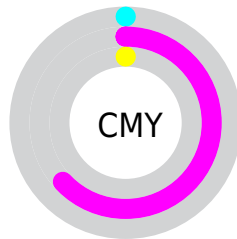
- Red (100%)
- Green (37%)
- Blue (100%)



- Red (100%)
- Yellow (37%)
- Blue (100%)



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




- Cyan (0%)
- Magenta (63%)
- Yellow (0%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 93.562, 327.565 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, 93.562, 327.565 by changing the saturation by 10% instead.




 67, 93.562,  
327.565


 67, 93.562,  
327.565


 100, 93.562,  
327.565


 57, 93.562,  
327.565


 87, 93.562,  
327.565

 47, 93.562,  
327.565

 97, 93.562,  
327.565

 37, 93.562,  
327.565

 27, 93.562,  
327.565

 17, 93.562,  
327.565

 7, 93.562, 327.565

 0, 93.562, 327.565

67, 93.562,  
327.565

67, 93.562,  
327.565

64, 103.353,  
327.867

71, 81.359,  
327.181

62, 110.279,  
328.076

75, 67.367,  
326.728

61, 114.206,  
328.193

81, 52.202,  
326.225

60, 115.543,  
328.232

86, 36.396,  
325.689

92, 20.358,  
325.132

98, 4.383, 324.524

100, 0.034,  
153.413

100, 0.034,  
153.298

100, 0.034,  
153.182

# Harmonies

# Complementary

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



67, 93.562, 327.565



89, 94.784, 138.833

# Rectangle

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



67, 93.562, 327.565



67, 93.562, 17.565



67, 93.562, 147.565



67, 93.562, 197.565

# Sweetspot

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



67, 93.559, 327.565



88, 30.379, 325.482



50, 90.675, 299.838



45, 20.914, 325.640



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, 93.559, 327.565



63, 105.187, 327.922



64, 69.132, 350.225



50, 9.057, 324.947



45, 93.083, 328.232



12, 42.823, 328.232



# Inverse Universe

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



62, 69.133, 28.454



57, 83.705, 32.456



90, 66.074, 155.480



49, 5.254, 19.942



40, 84.229, 40.000



10, 33.367, 27.176



# Previews

## White Background



This preview shows how the CIELCh color 67, 93.562, 327.565 looks on a white background.

## Color Contrast Check

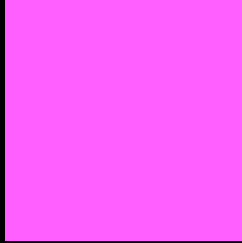
Large Text (above 18pt) WCAG AA × Fail

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, 93.562, 327.565 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

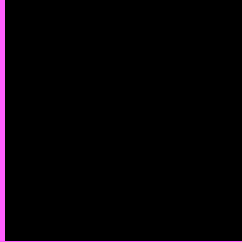
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 67, 93.562, 327.565

## Background



This preview shows how black text looks on a background with the CIELCh color 67, 93.562, 327.565.



This preview shows how white text looks on a background with the CIELCh color 67, 93.562, 327.565.

# 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, 93.562, 327.565

### Protanopia

67, 52.738, 285.353

### Deuteranopia

67, 45.808, 282.315





**Tritanopia**  
67, 46.006, 17.926

# Trichromacy



**Original Color**  
67, 93.562, 327.565



**Protanomaly**  
65, 66.987, 305.664



**Deuteranomaly**  
65, 62.112, 305.952



**Tritanomaly**  
66, 57.167, 349.713

# Monochromacy



**Original Color**  
67, 93.562, 327.565



**Achromatopsia**  
66, 0.008, 296.813



**Achromatomaly**  
65, 38.204, 326.042

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 67, 93.562, 327.565 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(255, 95, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 95, 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(255, 95, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 95, 255) }
```

## Border

The CSS property to change the border of an element to CIELCh 67, 93.562, 327.565 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(255, 95, 255) }
```

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

```
.border{ border-color:rgb(255, 95, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 95, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 95, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 95, 255);  
box-shadow:4px 4px 4px 4px rgb(255, 95,  
255) }
```

# Background

The CSS property to change the background color of an element to CIELCh 67, 93.562, 327.565 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 95, 255) }
```

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

```
.background{ background-color: rgb(255, 95,  
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](#).

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