

# Converting Colors

CIELCh(75, 93.598, 340.301)

Have a look what the booklet for  
CIELCh(75, 93.598, 340.301)  
contains.

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**Color**

**CIELCh(67, 87.493, 329.562)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FE63F4
RGB	254, 99, 244
RGB Percent	100%, 39%, 96%
CMY	0.0030, 0.6108, 0.0421
CMYK	0.00, 0.61, 0.04, 0.00
HSL	304°, 99%, 69%
HSV	304°, 61%, 100%
XYZ	61.8120, 36.6320, 89.6134
YIQ	161.8750, 45.8350, 77.9550

# Conversions

## Conversions Part 2

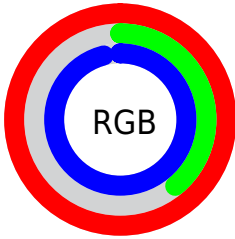
Format	Color
R <sub>Y</sub> B	254, 99, 244
Decimal	16671732
CIE Lab	67.00, 75.43, -44.32
CIE LCh	67, 87.493, 329.562
Yxy	36.6320, 0.3287, 0.1948
Android (android.graphics.Color)	4294861812 (0xFFFE63F4)
YUV	161.8750, 40.4876, 80.7936
Hunter-Lab	60.5244, 76.3801, -45.4187

# Details

The CIELCh color  $67, 87.493, 329.562$  is a light color, and the websafe version is hex  $\text{FF66FF}$ . A complement of this color would be  $89, 88.881, 140.606$ , and the grayscale version is  $67, 0.008, 296.813$ .

A 20% lighter version of the original color is  $78, 60.331, 326.496$ , and  $47, 87.291, 329.637$  is the 20% darker color. If you saturate the color by 10%, you get  $64, 97.241, 330.004$ , and if you desaturate by 10%, it is  $71, 75.483, 329.071$ .

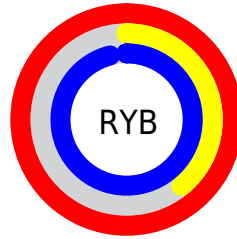
# Distribution



Red (100%)

Green (39%)

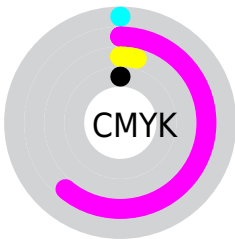
Blue (96%)



Red (100%)

Yellow (39%)

Blue (96%)

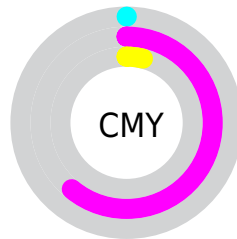


Cyan (0%)

Magenta (61%)

Yellow (4%)

Black (0%)



Cyan (0%)

Magenta (61%)


Yellow (4%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 87.493, 329.562 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, 87.493, 329.562 by changing the saturation by 10% instead.




 67, 87.493,  
329.562


 67, 87.493,  
329.562


 100, 87.493,  
329.562

 57, 87.493,  
329.562

 87, 87.493,  
329.562

 47, 87.493,  
329.562

 97, 87.493,  
329.562

 37, 87.493,  
329.562

 27, 87.493,  
329.562

 17, 87.493,  
329.562

 7, 87.493, 329.562

 0, 87.493, 329.562

67, 87.493,  
329.562

67, 87.493,  
329.562

64, 97.241,  
330.004

71, 75.483,  
329.071

61, 104.210,  
330.395

76, 61.851,  
328.541

60, 108.166,  
330.740

81, 47.196,  
327.983

59, 109.524,  
331.025

87, 32.016,  
327.407

93, 16.685,  
326.822

99, 1.461, 326.048

100, 0.266,  
201.876

# Harmonies

# Complementary

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



67, 87.493, 329.562



89, 88.881, 140.606

# Rectangle

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



67, 87.493, 329.562



67, 87.493, 19.562



67, 87.493, 149.562



67, 87.493, 199.562

# Sweetspot

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



67, 87.490, 329.562



89, 27.546, 327.235



51, 89.050, 300.935



46, 19.152, 327.404



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, 87.490, 329.562



63, 99.136, 330.089



64, 65.486, 354.369



50, 8.668, 326.736



45, 88.494, 330.974



12, 40.960, 330.624





# Inverse Universe

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



67, 87.490, 329.562



63, 99.136, 330.089



90, 60.565, 159.296



50, 8.668, 326.736



45, 88.494, 330.974



12, 40.960, 330.624



# Previews

## White Background



This preview shows how the CIELCh color 67, 87.493, 329.562 looks on a white background.

## Color Contrast Check

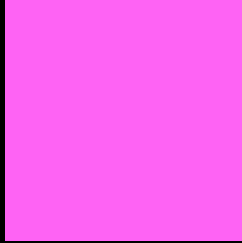
Large Text (above 18pt) WCAG AA × Fail

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, 87.493, 329.562 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

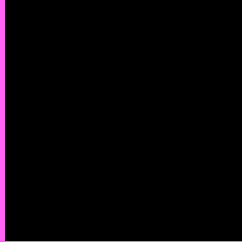
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 67, 87.493, 329.562

## Background



This preview shows how black text looks on a background with the CIELCh color 67, 87.493, 329.562.

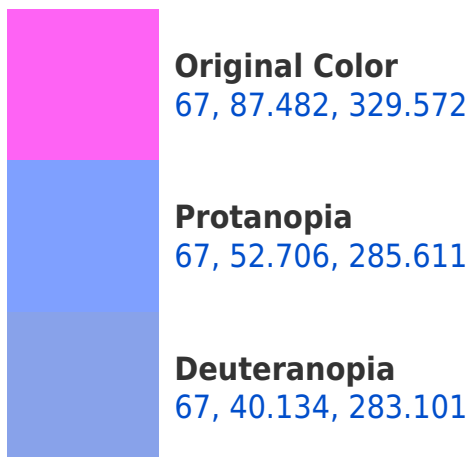


This preview shows how white text looks on a background with the CIELCh color 67, 87.493, 329.562.

# 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





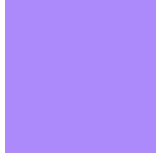
**Tritanopia**  
67, 46.480, 18.698



# Trichromacy



**Original Color**  
67, 87.482, 329.572



**Protanomaly**  
65, 63.656, 305.477



**Deuteranomaly**  
65, 56.463, 308.128



**Tritanomaly**  
66, 55.816, 351.902

# Monochromacy



**Original Color**  
67, 87.482, 329.572



**Achromatopsia**  
67, 0.008, 296.813



**Achromatomaly**  
65, 35.786, 328.028

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 67, 87.493, 329.562 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(254, 99, 244)` looks like.

```
.text, #text, p{  
    color:rgb(254, 99, 244)  
}
```

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(254, 99, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 99, 244) }
```

## Border

The CSS property to change the border of an element to CIELCh 67, 87.493, 329.562 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(254, 99, 244) }
```

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

```
.border{ border-color:rgb(254, 99, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 99, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 99, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 99, 244);  
box-shadow:4px 4px 4px 4px rgb(254, 99,  
244) }
```

# Background

The CSS property to change the background color of an element to CIELCh 67, 87.493, 329.562 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 99, 244) }
```

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

```
.background{ background-color: rgb(254, 99,  
244) }
```

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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