

# Converting Colors

CIELCh(70, 84.446, 327.279)

Have a look what the booklet for  
CIELCh(70, 84.446, 327.279)  
contains.

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**Color**

**CIELCh(70, 84.162, 327.270)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF73FF
RGB	255, 115, 255
RGB Percent	100%, 45%, 100%
CMY	0.0000, 0.5489, 0.0000
CMYK	0.00, 0.55, 0.00, 0.00
HSL	300°, 100%, 73%
HSV	300°, 55%, 100%
XYZ	65.4317, 40.7494, 99.0379
YIQ	172.8200, 38.5000, 73.2200

# Conversions

## Conversions Part 2

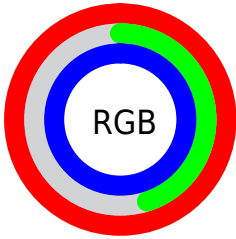
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 115, 255
Decimal	16741375
CIE Lab	70.00, 70.80, -45.50
CIE LCh	70, 84.162, 327.270
Yxy	40.7494, 0.3188, 0.1986
Android (android.graphics.Color)	4294931455 (0xFFFF73FF)
YUV	172.8200, 40.5147, 72.0719
Hunter-Lab	63.8353, 71.2523, -47.3014

# Details

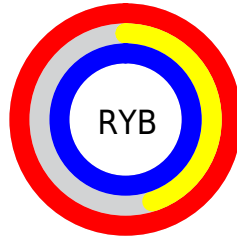
The CIELCh color  $70, 84.162, 327.270$  is a light color, and the websafe version is hex  $\text{FF66FF}$ . A complement of this color would be  $90, 84.833, 139.740$ , and the grayscale version is  $71, 0.009, 296.813$ .

A 20% lighter version of the original color is  $81, 51.272, 326.194$ , and  $50, 84.186, 327.138$  is the 20% darker color. If you saturate the color by 10%, you get  $66, 95.890, 327.637$ , and if you desaturate by 10%, it is  $74, 70.484, 326.830$ .

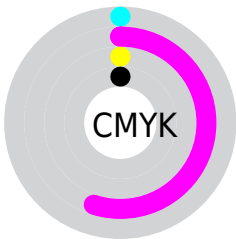
# Distribution



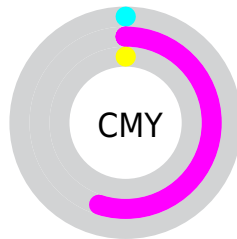
- Red (100%)
- Green (45%)
- Blue (100%)



- Red (100%)
- Yellow (45%)
- Blue (100%)



- Cyan (0%)
- Magenta (55%)
- Yellow (0%)
- Black (0%)




- Cyan (0%)
- Magenta (55%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 84.162, 327.270 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 70, 84.162, 327.270 by changing the saturation by 10% instead.





 70, 84.162,  
327.270

 70, 84.162,  
327.270


 100, 84.162,  
327.270


 60, 84.162,  
327.270


 90, 84.162,  
327.270

 50, 84.162,  
327.270

 40, 84.162,  
327.270

 30, 84.162,  
327.270

 20, 84.162,  
327.270

 10, 84.162,  
327.270

 0, 84.162, 327.270

70, 84.162,  
327.270

70, 84.162,  
327.270

66, 95.890,  
327.637

74, 70.484,  
326.830

63, 105.105,  
327.919

79, 55.518,  
326.336

62, 111.388,  
328.108

85, 39.806,  
325.806

61, 114.704,  
328.207

91, 23.786,  
325.253

60, 115.567,  
328.233

97, 7.774, 324.672  
  
100, 0.012,  
296.813

# Harmonies

# Complementary

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



70, 84.162, 327.270



90, 84.833, 139.740

# Rectangle

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



70, 84.162, 327.270



70, 84.162, 17.270



70, 84.162, 147.270



70, 84.162, 197.270

# Sweetspot

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



70, 84.151, 327.269



90, 25.563, 325.315



55, 79.693, 298.630



47, 17.268, 325.430



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

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



70, 84.151, 327.269



66, 97.043, 327.673



67, 61.399, 349.890



50, 9.057, 324.947



45, 93.083, 328.233



12, 42.823, 328.233





# Inverse Universe

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



70, 84.151, 327.269



66, 97.043, 327.673



91, 58.098, 157.580



50, 9.057, 324.947



45, 93.083, 328.233



12, 42.823, 328.233



# Previews

## White Background



This preview shows how the CIELCh color 70, 84.162, 327.270 looks on a white background.

## Color Contrast Check

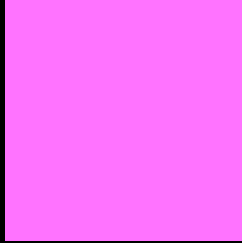
Large Text (above 18pt) WCAG AA × Fail

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 70, 84.162, 327.270 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

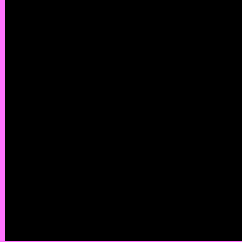
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 70, 84.162, 327.270

## Background



This preview shows how black text looks on a background with the CIELCh color 70, 84.162, 327.270.



This preview shows how white text looks on a background with the CIELCh color 70, 84.162, 327.270.

# 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**  
70, 84.162, 327.270

**Protanopia**  
70, 47.359, 284.716

**Deuteranopia**  
70, 41.962, 283.329



**Tritanopia**  
70, 40.919, 16.229



# Trichromacy



**Original Color**  
70, 84.162, 327.270



**Protanomaly**  
69, 59.256, 305.222



**Deuteranomaly**  
69, 55.575, 306.077



**Tritanomaly**  
69, 51.372, 348.842

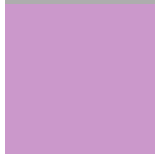
# Monochromacy



**Original Color**  
70, 84.162, 327.270



**Achromatopsia**  
71, 0.009, 296.813



**Achromatomaly**  
69, 33.386, 325.800

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 70, 84.162, 327.270 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, 115, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 115, 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, 115, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 115, 255) }
```

## Border

The CSS property to change the border of an element to CIELCh 70, 84.162, 327.270 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, 115, 255) }
```

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

```
.border{ border-color:rgb(255, 115, 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, 115, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 115, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 115, 255); box-shadow:4px 4px 4px 4px rgb(255, 115, 255) }
```

# Background

The CSS property to change the background color of an element to CIELCh 70, 84.162, 327.270 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 115, 255) }
```

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

```
.background{ background-color: rgb(255,  
115, 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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