

# Converting Colors

CIELCh(70, 81.786, 327.898)

Have a look what the booklet for  
CIELCh(70, 81.786, 327.898)  
contains.

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**Color**

**CIELCh(70, 81.466, 327.884)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FE75FB
RGB	254, 117, 251
RGB Percent	100%, 46%, 98%
CMY	0.0040, 0.5412, 0.0158
CMYK	0.00, 0.54, 0.01, 0.00
HSL	301°, 99%, 73%
HSV	301°, 54%, 100%
XYZ	64.6347, 40.7494, 95.7110
YIQ	173.2390, 38.6380, 70.7180

# Conversions

## Conversions Part 2

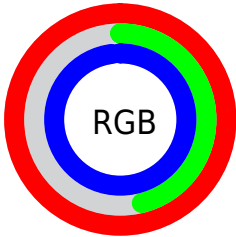
Format	Color
R <sub>Y</sub> B	254, 117, 251
Decimal	16676347
CIE <sub>Lab</sub>	70.00, 69.00, -43.31
CIE <sub>LCh</sub>	70, 81.466, 327.884
Yxy	40.7494, 0.3214, 0.2026
Android (android.graphics.Color)	4294866427 (0xFFFE75FB)
YUV	173.2390, 38.3362, 70.8274
Hunter-Lab	63.8353, 69.0237, -44.2114

# Details

The CIELCh color **70, 81.466, 327.884** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **90, 82.152, 140.390**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **81, 50.659, 326.174**, and **50, 81.392, 327.763** is the 20% darker color. If you saturate the color by 10%, you get **66, 93.197, 328.292**, and if you desaturate by 10%, it is **75, 67.886, 327.415**.

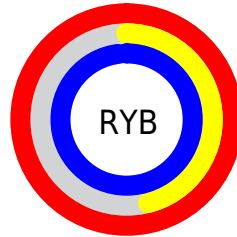
# Distribution



Red (100%)

Green (46%)

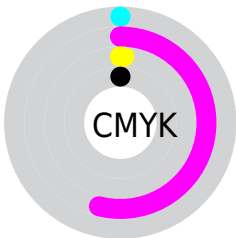
Blue (98%)



Red (100%)

Yellow (46%)

Blue (98%)

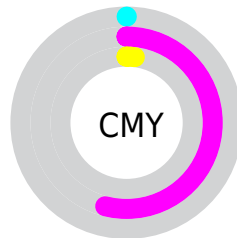


Cyan (0%)

Magenta (54%)

Yellow (1%)

Black (0%)



Cyan (0%)

Magenta (54%)


Yellow (2%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 81.466, 327.884 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, 81.466, 327.884 by changing the saturation by 10% instead.




 70, 81.466,  
327.884

 70, 81.466,  
327.884


 100, 81.466,  
327.884


 60, 81.466,  
327.884


 90, 81.466,  
327.884

 50, 81.466,  
327.884

 40, 81.466,  
327.884

 30, 81.466,  
327.884

 20, 81.466,  
327.884

 10, 81.466,  
327.884

 0, 81.466, 327.884

70, 81.466,  
327.884

70, 81.466,  
327.884

66, 93.197,  
328.292

75, 67.886,  
327.415

63, 102.479,  
328.626

80, 53.086,  
326.901

61, 108.867,  
328.880

85, 37.602,  
326.356

60, 112.273,  
329.058

91, 21.854,  
325.793

60, 113.222,  
329.138

97, 6.141, 325.197

100, 0.490,  
156.385

100, 0.358,  
191.004

100, 0.354,  
201.257



# Harmonies

# Complementary

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



70, 81.466, 327.884



90, 82.152, 140.390

# Rectangle

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



70, 81.466, 327.884



70, 81.466, 17.884



70, 81.466, 147.884



70, 81.466, 197.884

# Sweetspot

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



70, 81.463, 327.884



90, 25.188, 325.910



56, 77.882, 298.797



47, 17.015, 326.027



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, 81.463, 327.884



66, 94.609, 328.331



67, 59.778, 350.792



50, 8.924, 325.538



45, 91.498, 329.123



12, 42.181, 329.013



# Inverse Universe

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



70, 81.463, 327.884



66, 94.609, 328.331



91, 56.199, 158.594



50, 8.924, 325.538



45, 91.498, 329.123



12, 42.181, 329.013



# Previews

## White Background



This preview shows how the CIELCh color 70, 81.466, 327.884 looks on a white background.

## Color Contrast Check

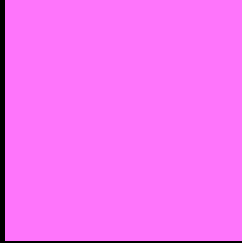
Large Text (above 18pt) WCAG AA × Fail

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, 81.466, 327.884 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

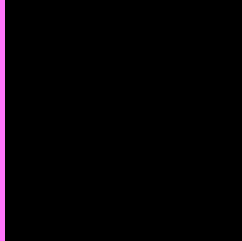
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 70, 81.466, 327.884

## Background



This preview shows how black text looks on a background with the CIELCh color 70, 81.466, 327.884.



This preview shows how white text looks on a background with the CIELCh color 70, 81.466, 327.884.

# 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, 81.466, 327.884

**Protanopia**  
70, 47.359, 284.716

**Deuteranopia**  
70, 39.727, 283.604





**Tritanopia**  
70, 40.487, 15.348

# Trichromacy



**Original Color**  
70, 81.466, 327.884



**Protanomaly**  
69, 58.077, 304.751



**Deuteranomaly**  
69, 52.908, 306.550



**Tritanomaly**  
69, 50.552, 348.755

# Monochromacy



**Original Color**  
70, 81.466, 327.884



**Achromatopsia**  
71, 0.009, 296.813



**Achromatomaly**  
69, 31.672, 326.314

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 70, 81.466, 327.884 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, 117, 251)` looks like.

```
.text, #text, p{  
    color:rgb(254, 117, 251)  
}
```

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, 117, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 117, 251) }
```

## Border

The CSS property to change the border of an element to CIELCh 70, 81.466, 327.884 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, 117, 251) }
```

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

```
.border{ border-color:rgb(254, 117, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 117, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 117, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 117, 251);  
box-shadow:4px 4px 4px 4px rgb(254, 117,  
251) }
```

# Background

The CSS property to change the background color of an element to CIELCh 70, 81.466, 327.884 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 117, 251) }
```

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

```
.background{ background-color: rgb(254,  
117, 251) }
```

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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