

# Converting Colors

CIELCh(64, 76.662, 342.137)

Have a look what the booklet for  
CIELCh(64, 76.662, 342.137)  
contains.

<b>CIELCh(64, 76.517, 341.867)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	20
<i><b>Color Blindness Simulation</b></i> .....	23
<i><b>CSS Examples</b></i> .....	26

# Color

**CIELCh(64, 76.517, 341.867)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF5AC7
RGB	255, 90, 199
RGB Percent	100%, 35%, 78%
CMY	0.0000, 0.6460, 0.2187
CMYK	0.00, 0.65, 0.22, 0.00
HSL	320°, 100%, 68%
HSV	320°, 65%, 100%
XYZ	55.3524, 32.8017, 57.5920
YIQ	151.7610, 63.3510, 68.8790

# Conversions

## Conversions Part 2

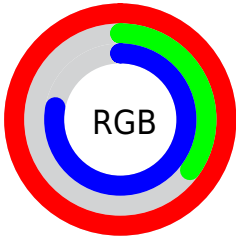
Format	Color
R <sub>Y</sub> B	255, 90, 199
Decimal	16734919
CIE Lab	64.00, 72.72, -23.81
CIE LCh	64, 76.517, 341.867
Yxy	32.8017, 0.3798, 0.2251
Android (android.graphics.Color)	4294924999 (0xFFFF5AC7)
YUV	151.7610, 23.2888, 90.5406
Hunter-Lab	57.2727, 72.2877, -19.5296

# Details

The CIELCh color **64, 76.517, 341.867** is a light color, and the websafe version is hex **FF66CC**. The color can be described as light muted magenta. A complement of this color would be **90, 76.708, 148.781**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **76, 65.623, 326.671**, and **44, 76.480, 341.720** is the 20% darker color. If you saturate the color by 10%, you get **61, 83.716, 343.223**, and if you desaturate by 10%, it is **68, 66.974, 340.598**.

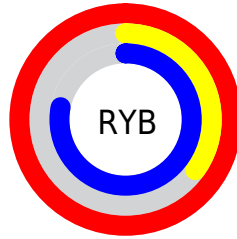
# Distribution



Red (100%)

Green (35%)

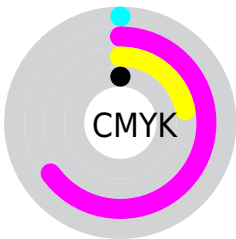
Blue (78%)



Red (100%)

Yellow (35%)

Blue (78%)

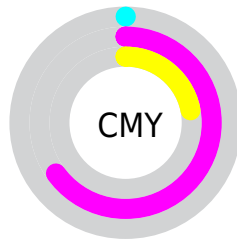


Cyan (0%)

Magenta (65%)

Yellow (22%)

Black (0%)



Cyan (0%)

Magenta (65%)

Yellow (22%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 76.517, 341.867 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 64, 76.517, 341.867 by changing the saturation by 10% instead.



 64, 76.517,  
341.867

 64, 76.517,  
341.867

 100, 76.517,  
341.867


 54, 76.517,  
341.867


 84, 76.517,  
341.867


 44, 76.517,  
341.867


 94, 76.517,  
341.867

 34, 76.517,  
341.867

 24, 76.517,  
341.867

 14, 76.517,  
341.867

 4, 76.517, 341.867

 0, 76.517, 341.867

64, 76.517,  
341.867

64, 76.517,  
341.867

61, 83.716,  
343.223

68, 66.974,  
340.598

58, 88.217,  
344.938

73, 55.871,  
339.543

57, 89.837,  
347.051

79, 43.769,  
338.597

56, 89.838,  
348.352

84, 31.162,  
337.731

91, 18.409,  
336.927

97, 5.754, 336.137

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.



64, 76.517, 341.867



90, 76.708, 148.781

# Rectangle

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



64, 76.517, 341.867



64, 76.517, 31.867



64, 76.517, 161.867



64, 76.517, 211.867

# Sweetspot

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



64, 76.468, 341.804



88, 24.022, 337.275



53, 93.919, 307.831



45, 16.553, 337.506



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

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



64, 76.468, 341.804



60, 85.572, 343.768



62, 67.135, 16.912



50, 7.141, 336.532



42, 72.602, 347.885



11, 34.237, 344.776





# Inverse Universe

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



64, 76.468, 341.804



60, 85.572, 343.768



91, 48.801, 179.328



50, 7.141, 336.532



42, 72.602, 347.885

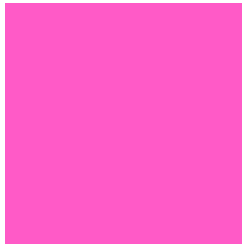


11, 34.237, 344.776



# Previews

## White Background



This preview shows how the CIELCh color 64, 76.517, 341.867 looks on a white background.

## Color Contrast Check

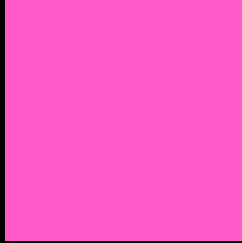
Large Text (above 18pt) WCAG AA × Fail

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 64, 76.517, 341.867 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

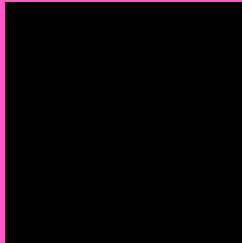
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 64, 76.517, 341.867

## Background



This preview shows how black text looks on a background with the CIELCh color 64, 76.517, 341.867.

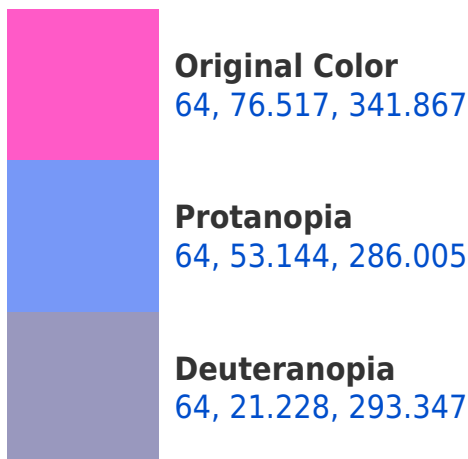


This preview shows how white text looks on a background with the CIELCh color 64, 76.517, 341.867.

# 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**  
64, 57.368, 22.263



# Trichromacy



**Original Color**  
64, 76.517, 341.867



**Protanomaly**  
62, 57.406, 307.500



**Deuteranomaly**  
62, 41.012, 324.814



**Tritanomaly**  
64, 60.535, 4.585

# Monochromacy



**Original Color**  
64, 76.517, 341.867



**Achromatopsia**  
63, 0.008, 296.813



**Achromatomaly**  
61, 30.998, 338.269

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 64, 76.517, 341.867 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, 90, 199)` looks like.

```
.text, #text, p{  
    color:rgb(255, 90, 199)  
}
```

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, 90, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 90, 199) }
```

## Border

The CSS property to change the border of an element to CIELCh 64, 76.517, 341.867 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, 90, 199) }
```

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

```
.border{ border-color:rgb(255, 90, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 90, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 90, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 90, 199);  
box-shadow:4px 4px 4px 4px rgb(255, 90,  
199) }
```

# Background

The CSS property to change the background color of an element to CIELCh 64, 76.517, 341.867 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 90, 199) }
```

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

```
.background{ background-color: rgb(255, 90,  
199) }
```

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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