

Converting Colors

CIELCh(64, 77.225, 341.478)

Have a look what the booklet for
CIELCh(64, 77.225, 341.478)
contains.

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Color

CIELCh(64, 77.085, 341.210)

Conversions

Conversions Part 1

Format	Color
Hex	FF5AC9
RGB	255, 90, 201
RGB Percent	100%, 35%, 79%
CMY	0.0000, 0.6469, 0.2117
CMYK	0.00, 0.65, 0.21, 0.00
HSL	320°, 100%, 68%
HSV	320°, 65%, 100%
XYZ	55.4558, 32.8017, 58.6833
YIQ	151.9890, 62.7090, 69.5010

Conversions

Conversions Part 2

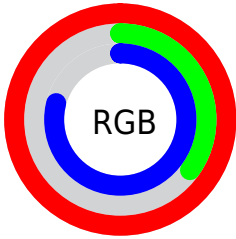
Format	Color
R _Y B	255, 90, 201
Decimal	16734921
CIE Lab	64.00, 72.98, -24.83
CIE LCh	64, 77.085, 341.210
Yxy	32.8017, 0.3774, 0.2232
Android (android.graphics.Color)	4294925001 (0xFFFF5AC9)
YUV	151.9890, 24.1624, 90.3406
Hunter-Lab	57.2727, 72.6100, -20.6593

Details

The CIELCh color **64, 77.085, 341.210** 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, 77.510, 148.329**, 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, 77.148, 341.004** is the 20% darker color. If you saturate the color by 10%, you get **61, 84.339, 342.568**, and if you desaturate by 10%, it is **68, 67.546, 340.036**.

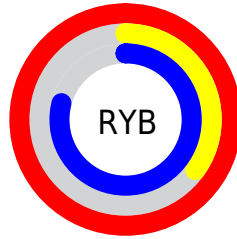
Distribution



Red (100%)

Green (35%)

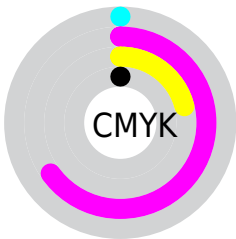
Blue (79%)



Red (100%)

Yellow (35%)

Blue (79%)

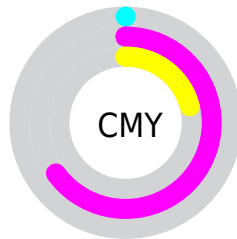


Cyan (0%)

Magenta (65%)

Yellow (21%)

Black (0%)



Cyan (0%)


Magenta (65%)


Yellow (21%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 77.085, 341.210 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, 77.085, 341.210 by changing the saturation by 10% instead.

 64, 77.085,
341.210


 64, 77.085,
341.210


 100, 77.085,
341.210


 54, 77.085,
341.210


 84, 77.085,
341.210

 44, 77.085,
341.210

 94, 77.085,
341.210

 34, 77.085,
341.210

 24, 77.085,
341.210

 14, 77.085,
341.210

 4, 77.085, 341.210

 0, 77.085, 341.210

64, 77.085,
341.210

64, 77.085,
341.210

61, 84.339,
342.568

68, 67.546,
340.036

58, 88.837,
344.211

73, 56.389,
339.009

57, 90.438,
346.226

79, 44.215,
338.084

56, 90.433,
347.442

84, 31.522,
337.235

91, 18.674,
336.442

97, 5.916, 335.664

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, 77.085, 341.210



90, 77.510, 148.329

Rectangle

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



64, 77.085, 341.210



64, 77.085, 31.210



64, 77.085, 161.210



64, 77.085, 211.210

Sweetspot

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



64, 77.076, 341.203



88, 24.212, 336.778



52, 94.104, 307.422



45, 16.683, 337.005



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, 77.076, 341.203



60, 86.151, 343.077



62, 67.003, 15.652



50, 7.199, 336.045



42, 73.082, 346.999



11, 34.458, 344.048

Inverse Universe

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



64, 77.076, 341.203



60, 86.151, 343.077



91, 49.554, 177.795



50, 7.199, 336.045



42, 73.082, 346.999



11, 34.458, 344.048

Previews

White Background



This preview shows how the CIELCh color 64, 77.085, 341.210 looks on a white background.

Color Contrast Check

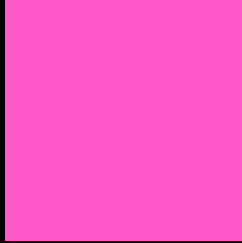
Large Text (above 18pt) WCAG AA × Fail

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, 77.085, 341.210 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

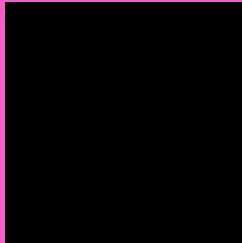
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 77.085, 341.210

Background



This preview shows how black text looks on a background with the CIELCh color 64, 77.085, 341.210.

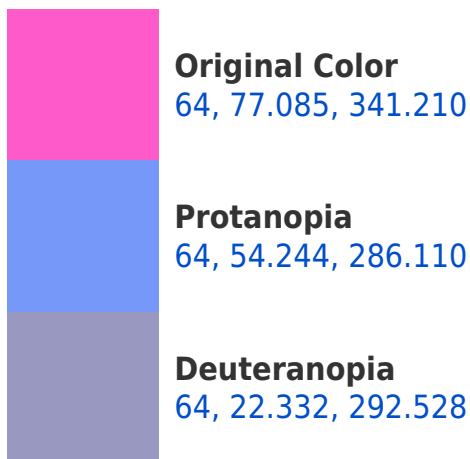


This preview shows how white text looks on a background with the CIELCh color 64, 77.085, 341.210.

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, 77.085, 341.210



Protanomaly
62, 59.088, 307.527



Deuteranomaly
62, 42.407, 323.597



Tritanomaly
64, 60.596, 4.071

Monochromacy



Original Color
64, 77.085, 341.210



Achromatopsia
63, 0.008, 296.813



Achromatomaly
61, 31.998, 337.308

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 77.085, 341.210 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, 201)` looks like.

```
.text, #text, p{  
    color:rgb(255, 90, 201)  
}
```

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, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 90, 201) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 77.085, 341.210 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, 201) }
```

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

```
.border{ border-color:rgb(255, 90, 201) }
```

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, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 90, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 90, 201);  
box-shadow:4px 4px 4px 4px rgb(255, 90,  
201) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 77.085, 341.210 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, 201) }
```

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

```
.background{ background-color: rgb(255, 90,  
201) }
```

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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