

Converting Colors

CIELCh(68, 73.930, 335.671)

Have a look what the booklet for
CIELCh(68, 73.930, 335.671)
contains.

CIELCh(68, 73.919, 335.623)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(68, 73.919, 335.623)

Conversions

Conversions Part 1

Format	Color
Hex	FF6FDE
RGB	255, 111, 222
RGB Percent	100%, 44%, 87%
CMY	0.0000, 0.5641, 0.1288
CMYK	0.00, 0.56, 0.13, 0.00
HSL	314°, 100%, 72%
HSV	314°, 56%, 100%
XYZ	60.2017, 37.9720, 73.3651
YIQ	166.7100, 50.1930, 65.0490

Conversions

Conversions Part 2

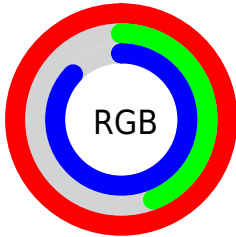
Format	Color
R _Y B	255, 111, 222
Decimal	16740318
CIE Lab	68.00, 67.33, -30.51
CIE LCh	68, 73.919, 335.623
Yxy	37.9720, 0.3510, 0.2214
Android (android.graphics.Color)	4294930398 (0xFFFF6FDE)
YUV	166.7100, 27.2580, 77.4303
Hunter-Lab	61.6215, 66.5498, -27.4543

Details

The CIELCh color **68, 73.919, 335.623** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **90, 74.384, 146.058**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **80, 54.319, 326.296**, and **48, 73.957, 335.421** is the 20% darker color. If you saturate the color by 10%, you get **64, 83.610, 336.447**, and if you desaturate by 10%, it is **73, 62.329, 334.782**.

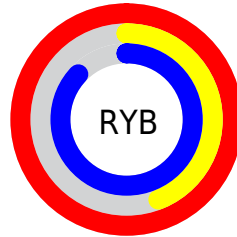
Distribution



Red (100%)

Green (44%)

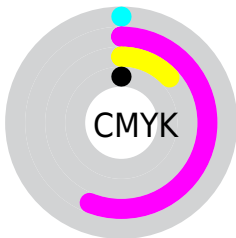
Blue (87%)



Red (100%)

Yellow (44%)

Blue (87%)

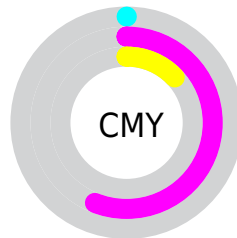


Cyan (0%)

Magenta (56%)

Yellow (13%)

Black (0%)



Cyan (0%)


Magenta (56%)


Yellow (13%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 73.919, 335.623 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 68, 73.919, 335.623 by changing the saturation by 10% instead.

 68, 73.919,
335.623

 68, 73.919,
335.623


 100, 73.919,
335.623


 58, 73.919,
335.623


 88, 73.919,
335.623

 48, 73.919,
335.623


 98, 73.919,
335.623

 38, 73.919,
335.623

 28, 73.919,
335.623

 18, 73.919,
335.623

 8, 73.919, 335.623

 0, 73.919, 335.623

68, 73.919,
335.623

68, 73.919,
335.623

64, 83.610,
336.447

73, 62.329,
334.782

61, 90.856,
337.398

78, 49.553,
334.021

59, 95.189,
338.479

84, 36.103,
333.295

58, 96.564,
339.740

90, 22.388,
332.596

57, 96.612,
340.230

96, 8.691, 331.908

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.



68, 73.919, 335.623



90, 74.384, 146.058

Rectangle

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



68, 73.919, 335.623



68, 73.919, 25.623



68, 73.919, 155.623



68, 73.919, 205.623

Sweetspot

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



68, 73.892, 335.585



89, 23.198, 332.637



56, 81.803, 304.051



46, 15.529, 332.776



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



68, 73.892, 335.585



63, 84.942, 336.592



66, 58.663, 5.523



50, 7.725, 332.123



43, 78.038, 339.972



11, 36.631, 338.243

Inverse Universe

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



68, 73.892, 335.585



63, 84.942, 336.592



92, 48.960, 170.785



50, 7.725, 332.123



43, 78.038, 339.972



11, 36.631, 338.243

Previews

White Background



This preview shows how the CIELCh color 68, 73.919, 335.623 looks on a white background.

Color Contrast Check

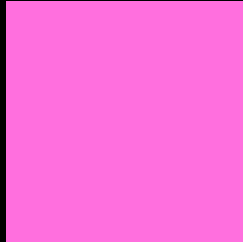
Large Text (above 18pt) WCAG AA × Fail

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 68, 73.919, 335.623 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

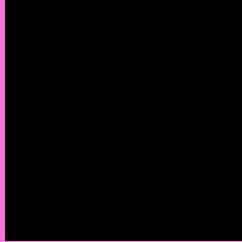
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 73.919, 335.623

Background



This preview shows how black text looks on a background with the CIELCh color 68, 73.919, 335.623.

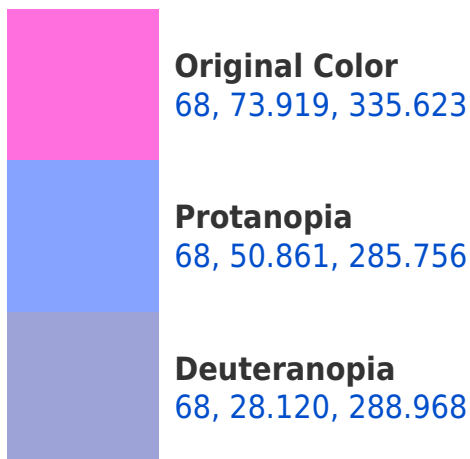


This preview shows how white text looks on a background with the CIELCh color 68, 73.919, 335.623.

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
68, 47.178, 18.821

Trichromacy



Original Color
68, 73.919, 335.623



Protanomaly
66, 55.861, 305.833



Deuteranomaly
67, 43.688, 316.263



Tritanomaly
68, 52.521, 357.901

Monochromacy



Original Color
68, 73.919, 335.623



Achromatopsia
68, 0.008, 296.813



Achromatomaly
67, 29.162, 333.339

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 73.919, 335.623 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, 111, 222)` looks like.

```
.text, #text, p{  
    color:rgb(255, 111, 222)  
}
```

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, 111, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 111, 222) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 73.919, 335.623 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, 111, 222) }
```

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

```
.border{ border-color:rgb(255, 111, 222) }
```

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

Here you see how a box with a 4 pixel rgb(255, 111, 222) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 111, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 111, 222);  
box-shadow:4px 4px 4px 4px rgb(255, 111,  
222) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 73.919, 335.623 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 111, 222) }
```

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

```
.background{ background-color: rgb(255,  
111, 222) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor