

Converting Colors

CIELCh(68, 71.510, 337.289)

Have a look what the booklet for
CIELCh(68, 71.510, 337.289)
contains.

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Color

CIELCh(68, 71.752, 337.223)

Conversions

Conversions Part 1

Format	Color
Hex	FF70D9
RGB	255, 112, 217
RGB Percent	100%, 44%, 85%
CMY	0.0000, 0.5598, 0.1481
CMYK	0.00, 0.56, 0.15, 0.00
HSL	316°, 100%, 72%
HSV	316°, 56%, 100%
XYZ	59.7099, 37.9720, 69.9903
YIQ	166.7270, 51.5230, 62.9710

Conversions

Conversions Part 2

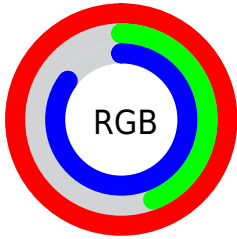
Format	Color
R _{YB}	255, 112, 217
Decimal	16740569
CIE _{Lab}	68.00, 66.16, -27.78
CIE _{LCh}	68, 71.752, 337.223
Yxy	37.9720, 0.3561, 0.2265
Android (android.graphics.Color)	4294930649 (0xFFFF70D9)
YUV	166.7270, 24.7846, 77.4154
Hunter-Lab	61.6215, 65.1253, -24.2072

Details

The CIELCh color **68, 71.752, 337.223** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **90, 71.882, 147.361**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **80, 53.712, 326.276**, and **48, 71.902, 337.098** is the 20% darker color. If you saturate the color by 10%, you get **64, 81.302, 338.130**, and if you desaturate by 10%, it is **73, 60.329, 336.276**.

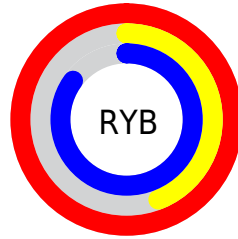
Distribution



Red (100%)

Green (44%)

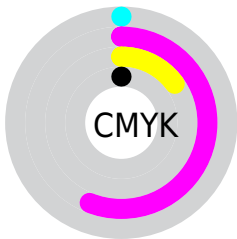
Blue (85%)



Red (100%)

Yellow (44%)

Blue (85%)

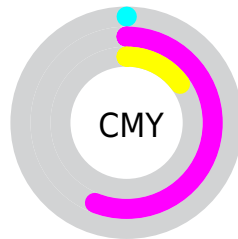


Cyan (0%)

Magenta (56%)

Yellow (15%)

Black (0%)



Cyan (0%)

Magenta (56%)


Yellow (15%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 71.752, 337.223 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, 71.752, 337.223 by changing the saturation by 10% instead.

 68, 71.752,
337.223


 68, 71.752,
337.223


 100, 71.752,
337.223


 58, 71.752,
337.223


 88, 71.752,
337.223

 48, 71.752,
337.223

 98, 71.752,
337.223

 38, 71.752,
337.223

 28, 71.752,
337.223

 18, 71.752,
337.223

 8, 71.752, 337.223

 0, 71.752, 337.223

68, 71.752,
337.223

68, 71.752,
337.223

64, 81.302,
338.130

73, 60.329,
336.276

61, 88.484,
339.229

78, 47.797,
335.456

59, 92.792,
340.510

84, 34.639,
334.686

57, 94.155,
342.039

90, 21.249,
333.954

57, 94.162,
342.714

96, 7.899, 333.236

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, 71.752, 337.223



90, 71.882, 147.361

Rectangle

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



68, 71.752, 337.223



68, 71.752, 27.223



68, 71.752, 157.223



68, 71.752, 207.223

Sweetspot

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



68, 71.706, 337.159



89, 22.615, 334.027



57, 81.132, 304.871



46, 15.140, 334.172



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, 71.706, 337.159



64, 82.154, 338.236



66, 58.052, 7.959



50, 7.529, 333.492



43, 76.080, 342.393



11, 35.790, 340.253

Inverse Universe

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



68, 71.706, 337.159



64, 82.154, 338.236



92, 47.275, 173.388



50, 7.529, 333.492



43, 76.080, 342.393



11, 35.790, 340.253

Previews

White Background



This preview shows how the CIELCh color 68, 71.752, 337.223 looks on a white background.

Color Contrast Check

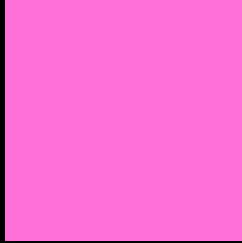
Large Text (above 18pt) WCAG AA × Fail

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, 71.752, 337.223 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

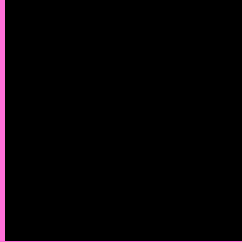
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 71.752, 337.223

Background



This preview shows how black text looks on a background with the CIELCh color 68, 71.752, 337.223.



This preview shows how white text looks on a background with the CIELCh color 68, 71.752, 337.223.

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
68, 71.752, 337.223

Protanopia
68, 50.861, 285.756

Deuteranopia
68, 25.349, 290.444



Tritanopia
68, 47.581, 18.919

Trichromacy



Original Color
68, 71.752, 337.223



Protanomaly
66, 54.182, 305.757



Deuteranomaly
67, 40.853, 318.542



Tritanomaly
68, 52.576, 359.282

Monochromacy



Original Color
68, 71.752, 337.223



Achromatopsia
68, 0.008, 296.813



Achromatomaly
67, 28.394, 334.859

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 71.752, 337.223 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, 112, 217)` looks like.

```
.text, #text, p{  
    color:rgb(255, 112, 217)  
}
```

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, 112, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 112, 217) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 71.752, 337.223 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, 112, 217) }
```

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

```
.border{ border-color:rgb(255, 112, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 112, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 112, 217); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 112, 217); box-shadow:4px 4px 4px 4px rgb(255, 112, 217) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 71.752, 337.223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 112, 217) }
```

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

```
.background{ background-color: rgb(255,  
112, 217) }
```

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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