

Converting Colors

CIELCh(70, 65.738, 337.742)

Have a look what the booklet for
CIELCh(70, 65.738, 337.742)
contains.

CIELCh(70, 65.866, 337.554)	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(70, 65.866, 337.554)

Conversions

Conversions Part 1

Format	Color
Hex	FF7CDA
RGB	255, 124, 218
RGB Percent	100%, 49%, 85%
CMY	0.0000, 0.5136, 0.1450
CMYK	0.00, 0.51, 0.14, 0.00
HSL	317°, 100%, 74%
HSV	317°, 51%, 100%
XYZ	61.1180, 40.7494, 70.9905
YIQ	173.8850, 47.9020, 57.0060

Conversions

Conversions Part 2

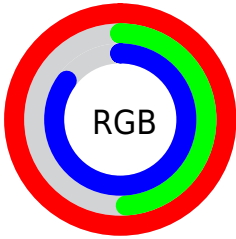
Format	Color
R _Y B	255, 124, 218
Decimal	16743642
CIE Lab	70.00, 60.88, -25.15
CIE LCh	70, 65.866, 337.554
Yxy	40.7494, 0.3536, 0.2357
Android (android.graphics.Color)	4294933722 (0xFFFF7CDA)
YUV	173.8850, 21.7487, 71.1379
Hunter-Lab	63.8353, 59.1900, -21.2511

Details

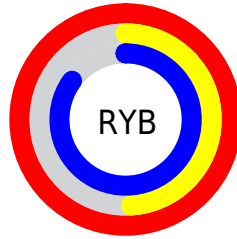
The CIELCh color **70, 65.866, 337.554** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **91, 65.588, 148.646**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **83, 46.349, 326.028**, and **50, 65.778, 337.636** is the 20% darker color. If you saturate the color by 10%, you get **66, 76.251, 338.525**, and if you desaturate by 10%, it is **75, 54.000, 336.659**.

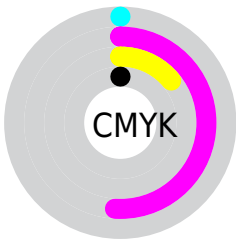
Distribution



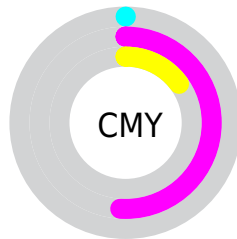
- Red (100%)
- Green (49%)
- Blue (85%)



- Red (100%)
- Yellow (49%)
- Blue (85%)



- Cyan (0%)
- Magenta (51%)
- Yellow (14%)
- Black (0%)





- Cyan (0%)
- Magenta (51%)
- Yellow (15%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 65.866, 337.554 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, 65.866, 337.554 by changing the saturation by 10% instead.


 70, 65.866,
337.554


 70, 65.866,
337.554


 100, 65.866,
337.554


 60, 65.866,
337.554


 90, 65.866,
337.554

 50, 65.866,
337.554

 40, 65.866,
337.554

 30, 65.866,
337.554

 20, 65.866,
337.554

 10, 65.866,
337.554

 0, 65.866, 337.554

70, 65.866,
337.554

70, 65.866,
337.554

66, 76.251,
338.525

75, 54.000,
336.659

62, 84.533,
339.629

81, 41.263,
335.836

59, 90.135,
340.913

87, 28.110,
335.063

58, 92.777,
342.447

93, 14.873,
334.328

57, 93.032,
344.002

99, 1.773, 333.448

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.



70, 65.866, 337.554



91, 65.588, 148.646

Rectangle

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



70, 65.866, 337.554



70, 65.866, 27.554



70, 65.866, 157.554



70, 65.866, 207.554

Sweetspot

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



70, 65.858, 337.547



90, 19.685, 334.593



61, 74.052, 304.831



47, 13.445, 334.747



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, 65.858, 337.547



65, 76.851, 338.592



68, 53.226, 8.104



50, 7.433, 334.193



43, 75.174, 343.649



11, 35.394, 341.290

Inverse Universe

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



70, 65.858, 337.547



65, 76.851, 338.592



92, 43.539, 175.322



50, 7.433, 334.193



43, 75.174, 343.649



11, 35.394, 341.290

Previews

White Background



This preview shows how the CIELCh color 70, 65.866, 337.554 looks on a white background.

Color Contrast Check

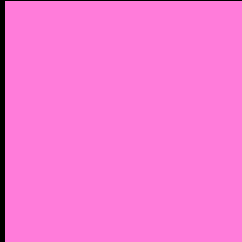
Large Text (above 18pt) WCAG AA × Fail

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, 65.866, 337.554 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

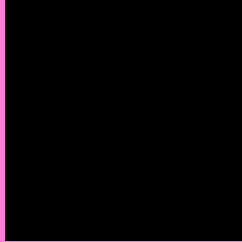
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 65.866, 337.554

Background



This preview shows how black text looks on a background with the CIELCh color 70, 65.866, 337.554.



This preview shows how white text looks on a background with the CIELCh color 70, 65.866, 337.554.

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
70, 44.276, 17.245

Trichromacy



Original Color
70, 65.866, 337.554



Protanomaly
69, 48.985, 306.212



Deuteranomaly
69, 37.941, 319.298



Tritanomaly
70, 48.762, 359.071

Monochromacy



Original Color
70, 65.866, 337.554



Achromatopsia
71, 0.009, 296.813



Achromatomaly
70, 25.431, 334.941

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 65.866, 337.554 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, 124, 218)` looks like.

```
.text, #text, p{  
    color:rgb(255, 124, 218)  
}
```

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, 124, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 124, 218) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 65.866, 337.554 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, 124, 218) }
```

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

```
.border{ border-color:rgb(255, 124, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 124, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 124, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 124, 218);  
box-shadow:4px 4px 4px 4px rgb(255, 124,  
218) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 65.866, 337.554 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 124, 218) }
```

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

```
.background{ background-color: rgb(255,  
124, 218) }
```

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