

Converting Colors

CIELCh(67, 64.972, 345.707)

Have a look what the booklet for
CIELCh(67, 64.972, 345.707)
contains.

CIELCh(67, 65.005, 345.599)	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(67, 65.005, 345.599)

Conversions

Conversions Part 1

Format	Color
Hex	FF70C2
RGB	255, 112, 194
RGB Percent	100%, 44%, 76%
CMY	0.0010, 0.5617, 0.2401
CMYK	0.00, 0.56, 0.24, 0.00
HSL	326°, 100%, 72%
HSV	326°, 56%, 100%
XYZ	56.6254, 36.6320, 54.9892
YIQ	164.1050, 58.9060, 55.8180

Conversions

Conversions Part 2

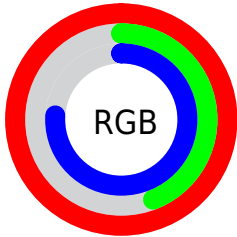
Format	Color
R _Y B	255, 112, 194
Decimal	16740546
CIE Lab	67.00, 62.96, -16.17
CIE LCh	67, 65.005, 345.599
Yxy	36.6320, 0.3820, 0.2471
Android (android.graphics.Color)	4294930626 (0xFFFF70C2)
YUV	164.1050, 14.7382, 79.7149
Hunter-Lab	60.5244, 61.0835, -11.5007

Details

The CIELCh color **67, 65.005, 345.599** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **91, 63.094, 153.840**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **80, 52.065, 327.605**, and **47, 65.043, 345.715** is the 20% darker color. If you saturate the color by 10%, you get **63, 73.883, 347.191**, and if you desaturate by 10%, it is **72, 54.541, 344.263**.

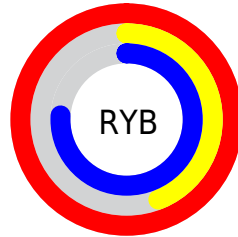
Distribution



Red (100%)

Green (44%)

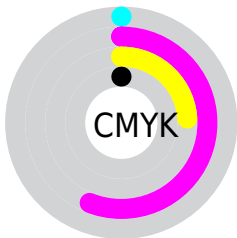
Blue (76%)



Red (100%)

Yellow (44%)

Blue (76%)

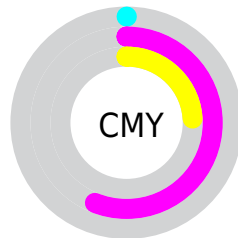


Cyan (0%)

Magenta (56%)

Yellow (24%)

Black (0%)



Cyan (0%)


Magenta (56%)


Yellow (24%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 65.005, 345.599 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 67, 65.005, 345.599 by changing the saturation by 10% instead.


 67, 65.005,
345.599


 67, 65.005,
345.599


 100, 65.005,
345.599

 57, 65.005,
345.599


 87, 65.005,
345.599

 47, 65.005,
345.599

 97, 65.005,
345.599

 37, 65.005,
345.599

 27, 65.005,
345.599

 17, 65.005,
345.599

 7, 65.005, 345.599

 0, 65.005, 345.599

67, 65.005,
345.599

67, 65.005,
345.599

63, 73.883,
347.191

72, 54.541,
344.263

59, 80.569,
349.140

77, 43.104,
343.111

57, 84.616,
351.578

83, 31.183,
342.092

56, 86.002,
354.643

90, 19.136,
341.171

55, 86.119,
355.969

96, 7.200, 340.303

100, 0.088,
206.912

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



67, 65.005, 345.599



91, 63.094, 153.840

Rectangle

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



67, 65.005, 345.599



67, 65.005, 35.599



67, 65.005, 165.599



67, 65.005, 215.599

Sweetspot

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



67, 65.001, 345.600



89, 20.205, 341.249



59, 81.440, 309.500



46, 13.535, 341.428



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



67, 65.001, 345.600



63, 74.624, 347.347



65, 59.226, 20.683



50, 6.712, 340.598



42, 69.604, 355.306



11, 32.749, 350.870

Inverse Universe

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



67, 65.001, 345.600



63, 74.624, 347.347



92, 41.718, 188.255



50, 6.712, 340.598



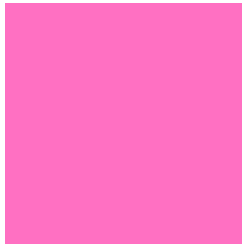
42, 69.604, 355.306



11, 32.749, 350.870

Previews

White Background



This preview shows how the CIELCh color 67, 65.005, 345.599 looks on a white background.

Color Contrast Check

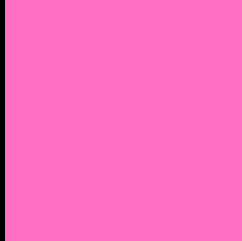
Large Text (above 18pt) WCAG AA × Fail

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 67, 65.005, 345.599 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

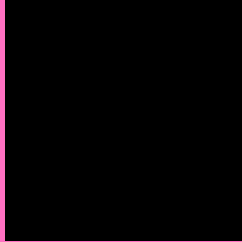
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 67, 65.005, 345.599

Background



This preview shows how black text looks on a background with the CIELCh color 67, 65.005, 345.599.

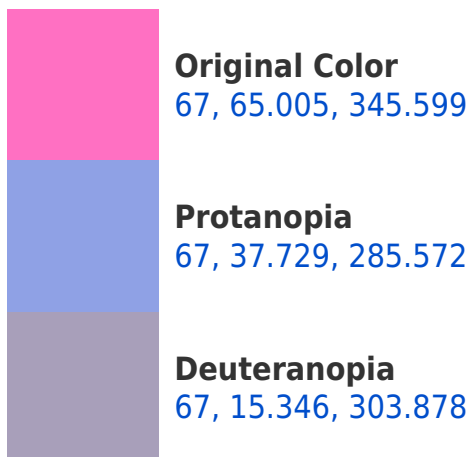


This preview shows how white text looks on a background with the CIELCh color 67, 65.005, 345.599.

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
67, 51.150, 19.914

Trichromacy



Original Color
67, 65.005, 345.599



Protanomaly
66, 42.905, 312.745



Deuteranomaly
66, 33.421, 331.999



Tritanomaly
67, 53.650, 5.148

Monochromacy



Original Color
67, 65.005, 345.599



Achromatopsia
67, 0.008, 296.813



Achromatomaly
66, 25.629, 341.906

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 65.005, 345.599 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, 194)` looks like.

```
.text, #text, p{  
    color:rgb(255, 112, 194)  
}
```

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, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 112, 194) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 65.005, 345.599 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, 194) }
```

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

```
.border{ border-color:rgb(255, 112, 194) }
```

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, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 112, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 112, 194);  
box-shadow:4px 4px 4px 4px rgb(255, 112,  
194) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 65.005, 345.599 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, 194) }
```

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

```
.background{ background-color: rgb(255,  
112, 194) }
```

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