

Converting Colors

CIELCh(70, 58.128, 345.883)

Have a look what the booklet for
CIELCh(70, 58.128, 345.883)
contains.

CIELCh(70, 57.836, 346.007)	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, 57.836, 346.007)

Conversions

Conversions Part 1

Format	Color
Hex	FF80C6
RGB	255, 128, 198
RGB Percent	100%, 50%, 78%
CMY	0.0002, 0.4982, 0.2237
CMYK	0.00, 0.50, 0.22, 0.00
HSL	327°, 100%, 75%
HSV	327°, 50%, 100%
XYZ	59.1194, 40.7494, 58.1448
YIQ	173.9530, 53.2220, 48.6940

Conversions

Conversions Part 2

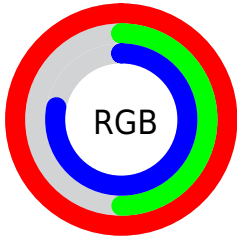
Format	Color
R _Y B	255, 128, 198
Decimal	16744646
CIE Lab	70.00, 56.12, -13.98
CIE LCh	70, 57.836, 346.007
Yxy	40.7494, 0.3741, 0.2579
Android (android.graphics.Color)	4294934726 (0xFFFF80C6)
YUV	173.9530, 11.8552, 71.0782
Hunter-Lab	63.8353, 53.6016, -9.3200

Details

The CIELCh color **70, 57.836, 346.007** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **91, 55.670, 155.803**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **83, 44.490, 325.965**, and **50, 57.801, 346.240** is the 20% darker color. If you saturate the color by 10%, you get **65, 67.718, 347.509**, and if you desaturate by 10%, it is **75, 46.791, 344.736**.

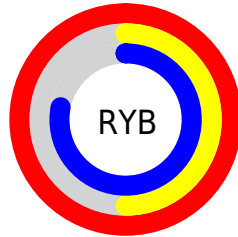
Distribution



Red (100%)

Green (50%)

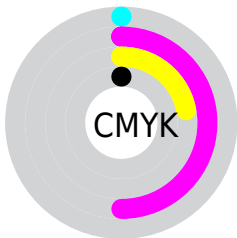
Blue (78%)



Red (100%)

Yellow (50%)

Blue (78%)

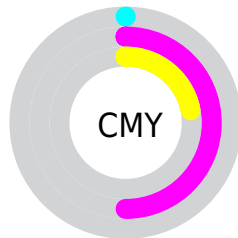


Cyan (0%)

Magenta (50%)

Yellow (22%)

Black (0%)



Cyan (0%)


Magenta (50%)


Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 57.836, 346.007 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, 57.836, 346.007 by changing the saturation by 10% instead.


 70, 57.836,
346.007

 70, 57.836,
346.007


 100, 57.836,
346.007


 60, 57.836,
346.007


 90, 57.836,
346.007

 50, 57.836,
346.007

 40, 57.836,
346.007

 30, 57.836,
346.007

 20, 57.836,
346.007

 10, 57.836,
346.007

 0, 57.836, 346.007

70, 57.836,
346.007

70, 57.836,
346.007

65, 67.718,
347.509

75, 46.791,
344.736

61, 75.829,
349.328

81, 35.127,
343.629

58, 81.593,
351.591

87, 23.240,
342.644

56, 84.701,
354.445

94, 11.405,
341.742

55, 85.532,
357.973

100, 0.021,
232.887

55, 85.542,
358.042

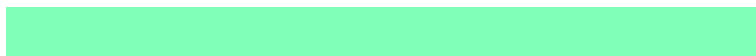
Harmonies

Complementary

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



70, 57.836, 346.007



91, 55.670, 155.803

Rectangle

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



70, 57.836, 346.007



70, 57.836, 36.007



70, 57.836, 166.007



70, 57.836, 216.007

Sweetspot

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



70, 57.833, 346.008



90, 17.531, 342.202



64, 72.179, 309.592



47, 11.983, 342.394



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, 57.833, 346.008



65, 67.902, 347.540



68, 52.229, 20.369



50, 6.608, 341.715



41, 69.072, 357.327



11, 32.443, 352.536

Inverse Universe

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



70, 57.833, 346.008



65, 67.902, 347.540



93, 37.945, 190.385



50, 6.608, 341.715



41, 69.072, 357.327



11, 32.443, 352.536

Previews

White Background



This preview shows how the CIELCh color 70, 57.836, 346.007 looks on a white background.

Color Contrast Check

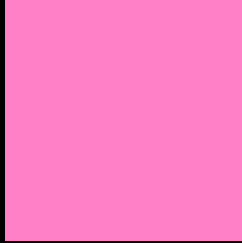
Large Text (above 18pt) WCAG AA × Fail

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, 57.836, 346.007 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, 57.836, 346.007

Background



This preview shows how black text looks on a background with the CIELCh color 70, 57.836, 346.007.

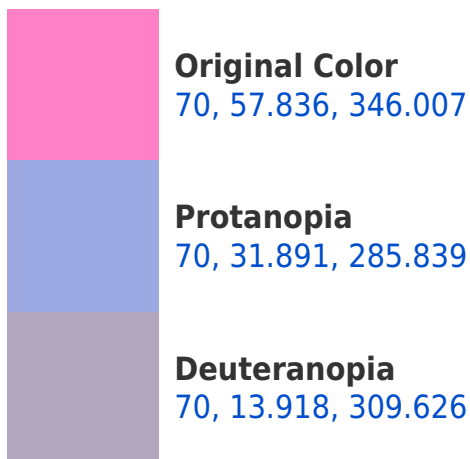


This preview shows how white text looks on a background with the CIELCh color 70, 57.836, 346.007.

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, 45.530, 17.602

Trichromacy



Original Color
70, 57.836, 346.007



Protanomaly
69, 36.612, 314.168



Deuteranomaly
69, 29.854, 333.726



Tritanomaly
70, 48.253, 4.265

Monochromacy



Original Color
70, 57.836, 346.007



Achromatopsia
71, 0.009, 296.813



Achromatomaly
70, 22.337, 342.159

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 57.836, 346.007 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, 128, 198)` looks like.

```
.text, #text, p{  
    color:rgb(255, 128, 198)  
}
```

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, 128, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 128, 198) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 57.836, 346.007 is called "border". The border property can be set on classes, ids or directly on the HTML element.

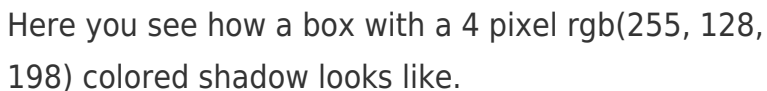
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 128, 198) }
```

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

```
.border{ border-color:rgb(255, 128, 198) }
```

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



Here you see how a box with a 4 pixel `rgb(255, 128, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 128, 198); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 128, 198); box-shadow:4px 4px 4px 4px rgb(255, 128, 198) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 57.836, 346.007 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 128, 198) }
```

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

```
.background{ background-color: rgb(255,  
128, 198) }
```

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