

# Converting Colors

CIELCh(73, 57.116, 10.242)

Have a look what the booklet for  
CIELCh(73, 57.116, 10.242) contains.

<b>CIELCh(70, 49.133, 6.759)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	20
<i><b>Color Blindness Simulation</b></i> .....	23
<i><b>CSS Examples</b></i> .....	26

# Color

**CIELCh(70, 49.133, 6.759)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF86A3
RGB	255, 134, 163
RGB Percent	100%, 53%, 64%
CMY	0.0017, 0.4760, 0.3623
CMYK	0.00, 0.48, 0.36, 0.00
HSL	346°, 99%, 76%
HSV	346°, 48%, 100%
XYZ	56.1262, 40.7494, 39.3779
YIQ	173.4850, 62.8070, 34.6710

# Conversions

## Conversions Part 2

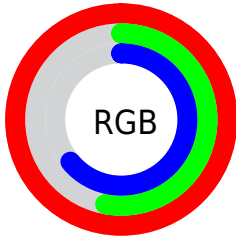
Format	Color
R <sub>Y</sub> B	255, 134, 163
Decimal	16746147
CIE Lab	70.00, 48.79, 5.78
CIE LCh	70, 49.133, 6.759
Yxy	40.7494, 0.4119, 0.2991
Android (android.graphics.Color)	4294936227 (0xFFFF86A3)
YUV	173.4850, -5.1691, 71.4887
Hunter-Lab	63.8353, 45.2318, 8.1106

# Details

The CIELCh color **70, 49.133, 6.759** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **92, 40.985, 175.304**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **84, 27.893, 350.065**, and **50, 49.186, 6.994** is the 20% darker color. If you saturate the color by 10%, you get **65, 59.485, 9.141**, and if you desaturate by 10%, it is **76, 38.419, 4.862**.

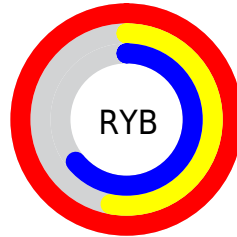
# Distribution



Red (100%)

Green (53%)

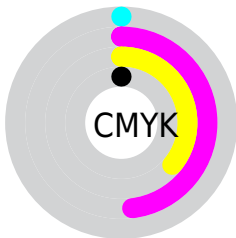
Blue (64%)



Red (100%)

Yellow (53%)

Blue (64%)

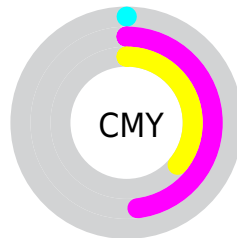


Cyan (0%)

Magenta (48%)

Yellow (36%)

Black (0%)



Cyan (0%)

Magenta (48%)

Yellow (36%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 49.133, 6.759 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, 49.133, 6.759 by changing the saturation by 10% instead.



 70, 49.133, 6.759

 70, 49.133, 6.759

 100, 49.133, 6.759

 60, 49.133, 6.759

 90, 49.133, 6.759

 50, 49.133, 6.759

 40, 49.133, 6.759

 30, 49.133, 6.759

 20, 49.133, 6.759

 10, 49.133, 6.759

 0, 49.133, 6.759

 70, 49.133, 6.759

 70, 49.133, 6.759

 65, 59.485, 9.141

 76, 38.419, 4.862

■ 61, 69.035, 12.158

■ 82, 27.718, 3.315

■ 57, 77.361, 15.979

■ 88, 17.277, 2.024

■ 55, 84.269, 20.700

■ 95, 7.238, 0.896

■ 54, 89.959, 26.180

100, 0.152,  
203.759

■ 54, 91.345, 27.532

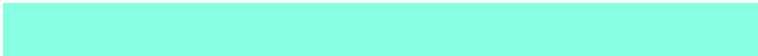
# Harmonies

# Complementary

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



70, 49.133, 6.759



92, 40.985, 175.304

# Rectangle

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



70, 49.133, 6.759



70, 49.133, 56.759



70, 49.133, 186.759



70, 49.133, 236.759

# Sweetspot

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



70, 49.130, 6.761



91, 13.720, 1.617



69, 71.033, 319.305



47, 9.519, 1.865



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, 49.130, 6.761



65, 59.053, 9.006



76, 42.406, 44.303



50, 5.512, 1.116



40, 73.072, 26.468



10, 31.755, 16.589





# Inverse Universe

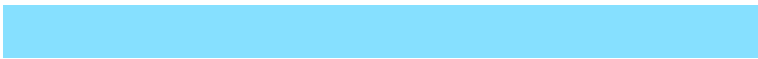
The Inverse Universe completely reimagines the original color for something new.



70, 49.130, 6.761



65, 59.053, 9.006



85, 30.132, 230.097



50, 5.512, 1.116



40, 73.072, 26.468



10, 31.755, 16.589



# Previews

## White Background



This preview shows how the CIELCh color 70, 49.133, 6.759 looks on a white background.

## Color Contrast Check

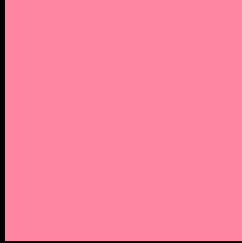
Large Text (above 18pt) WCAG AA × Fail

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, 49.133, 6.759 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

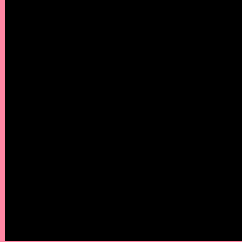
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 70, 49.133, 6.759

## Background



This preview shows how black text looks on a background with the CIELCh color 70, 49.133, 6.759.

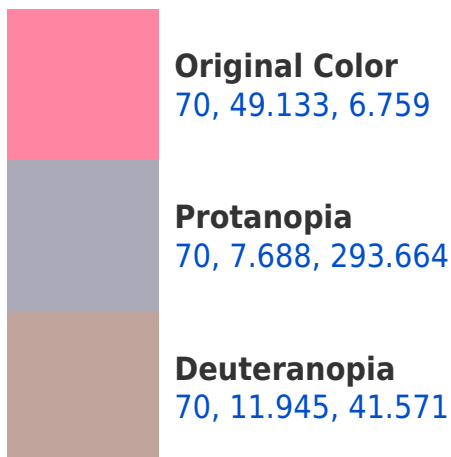


This preview shows how white text looks on a background with the CIELCh color 70, 49.133, 6.759.

# 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, 47.638, 18.191



# Trichromacy



**Original Color**  
70, 49.133, 6.759



**Protanomaly**  
69, 19.684, 349.557



**Deuteranomaly**  
70, 24.387, 15.410



**Tritanomaly**  
70, 48.163, 13.979

# Monochromacy



**Original Color**  
70, 49.133, 6.759



**Achromatopsia**  
71, 0.009, 296.813



**Achromatomaly**  
70, 17.875, 3.424

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 70, 49.133, 6.759 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, 134, 163)` looks like.

```
.text, #text, p{  
    color:rgb(255, 134, 163)  
}
```

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, 134, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 134, 163) }
```

## Border

The CSS property to change the border of an element to CIELCh 70, 49.133, 6.759 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, 134, 163) }
```

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

```
.border{ border-color:rgb(255, 134, 163) }
```

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

Here you see how a box with a 4 pixel rgb(255, 134, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 134, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 134, 163);  
box-shadow:4px 4px 4px 4px rgb(255, 134,  
163) }
```

# Background

The CSS property to change the background color of an element to CIELCh 70, 49.133, 6.759 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 134, 163) }
```

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

```
.background{ background-color: rgb(255,  
134, 163) }
```

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