

# Converting Colors

CIELCh(71, 46.332, 15.264)

Have a look what the booklet for  
CIELCh(71, 46.332, 15.264) contains.

<b>CIELCh(71, 46.438, 15.218)</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(71, 46.438, 15.218)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF8C9A
RGB	255, 140, 154
RGB Percent	100%, 55%, 60%
CMY	0.0013, 0.4521, 0.3972
CMYK	0.00, 0.45, 0.40, 0.00
HSL	353°, 99%, 77%
HSV	353°, 45%, 100%
XYZ	56.2582, 42.1875, 35.6218
YIQ	175.9810, 64.0460, 28.7340

# Conversions

## Conversions Part 2

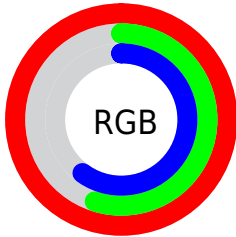
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 140, 154
Decimal	16747674
CIE Lab	71.00, 44.81, 12.19
CIE LCh	71, 46.438, 15.218
Yxy	42.1875, 0.4196, 0.3147
Android (android.graphics.Color)	4294937754 (0xFFFF8C9A)
YUV	175.9810, -10.8366, 69.2997
Hunter-Lab	64.9519, 40.9421, 12.9497

# Details

The CIELCh color **71, 46.438, 15.218** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **93, 36.208, 185.551**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **84, 23.388, 4.488**, and **51, 46.344, 15.384** is the 20% darker color. If you saturate the color by 10%, you get **66, 57.583, 17.546**, and if you desaturate by 10%, it is **77, 35.354, 13.392**.

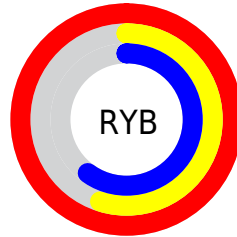
# Distribution



Red (100%)

Green (55%)

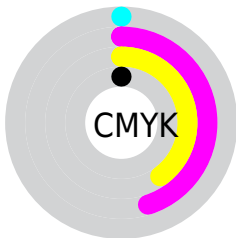
Blue (60%)



Red (100%)

Yellow (55%)

Blue (60%)

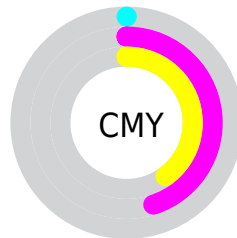


Cyan (0%)

Magenta (45%)

Yellow (40%)

Black (0%)



Cyan (0%)

Magenta (45%)

Yellow (40%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 46.438, 15.218 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 71, 46.438, 15.218 by changing the saturation by 10% instead.



 71, 46.438, 15.218

 71, 46.438, 15.218

 100, 46.438,  
15.218

 61, 46.438, 15.218

 91, 46.438, 15.218

 51, 46.438, 15.218

 41, 46.438, 15.218

 31, 46.438, 15.218

 21, 46.438, 15.218

 11, 46.438, 15.218

 1, 46.438, 15.218

 0, 46.438, 15.218

 71, 46.438, 15.218

 71, 46.438, 15.218

66, 57.583, 17.546

77, 35.354, 13.392

61, 68.427, 20.508

83, 24.614, 11.933

58, 78.571, 24.223

90, 14.382, 10.742

55, 87.701, 28.670

96, 4.731, 9.687

54, 95.527, 33.486

100, 0.117,  
205.070

53, 98.802, 35.613

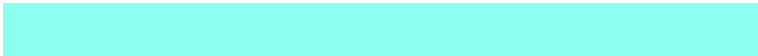
# Harmonies

# Complementary

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



71, 46.438, 15.218



93, 36.208, 185.551

# Rectangle

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



71, 46.438, 15.218



71, 46.438, 65.218



71, 46.438, 195.218



71, 46.438, 245.218

# Sweetspot

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



71, 46.435, 15.221



91, 13.265, 10.618



72, 68.966, 322.823



47, 9.220, 10.853



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

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



71, 46.435, 15.221



66, 56.380, 17.252



80, 38.525, 55.973



50, 5.311, 10.149



40, 78.911, 34.782



10, 32.456, 22.206





# Inverse Universe

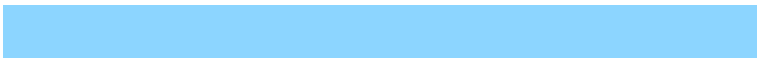
The Inverse Universe completely reimagines the original color for something new.



71, 46.435, 15.221



66, 56.380, 17.252



82, 30.095, 246.792



50, 5.311, 10.149



40, 78.911, 34.782



10, 32.456, 22.206



# Previews

## White Background



This preview shows how the CIELCh color 71, 46.438, 15.218 looks on a white background.

## Color Contrast Check

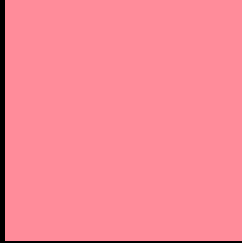
Large Text (above 18pt) WCAG AA × Fail

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 71, 46.438, 15.218 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 71, 46.438, 15.218

## Background



This preview shows how black text looks on a background with the CIELCh color 71, 46.438, 15.218.



This preview shows how white text looks on a background with the CIELCh color 71, 46.438, 15.218.

# 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

71, 46.438, 15.218

### Protanopia

71, 1.961, 35.410

### Deuteranopia

71, 16.667, 58.210



**Tritanopia**  
71, 46.227, 17.744



# Trichromacy



**Original Color**  
71, 46.438, 15.218



**Protanomaly**  
70, 17.764, 14.051



**Deuteranomaly**  
71, 25.594, 30.076



**Tritanomaly**  
71, 46.171, 17.083

# Monochromacy



**Original Color**  
71, 46.438, 15.218



**Achromatopsia**  
72, 0.009, 296.813



**Achromatomaly**  
71, 16.571, 11.535

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 71, 46.438, 15.218 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, 140, 154)` looks like.

```
.text, #text, p{  
    color:rgb(255, 140, 154)  
}
```

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, 140, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 140, 154) }
```

## Border

The CSS property to change the border of an element to CIELCh 71, 46.438, 15.218 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, 140, 154) }
```

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

```
.border{ border-color:rgb(255, 140, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 140, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 140, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 140, 154);  
box-shadow:4px 4px 4px 4px rgb(255, 140,  
154) }
```

# Background

The CSS property to change the background color of an element to CIELCh 71, 46.438, 15.218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 140, 154) }
```

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

```
.background{ background-color: rgb(255,  
140, 154) }
```

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