

# Converting Colors

CIELCh(71, 49.777, 352.564)

Have a look what the booklet for  
CIELCh(71, 49.777, 352.564)  
contains.

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# Color

**CIELCh(71, 49.702, 352.555)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FC89BB
RGB	252, 137, 187
RGB Percent	99%, 54%, 73%
CMY	0.0117, 0.4626, 0.2666
CMYK	0.00, 0.46, 0.26, 0.01
HSL	334°, 95%, 76%
HSV	334°, 46%, 99%
XYZ	58.0758, 42.1875, 52.1092
YIQ	177.0850, 52.4900, 39.9300

# Conversions

## Conversions Part 2

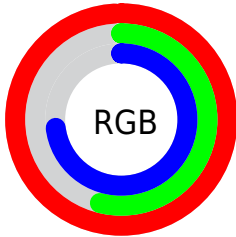
Format	Color
R <sub>YB</sub>	252, 137, 187
Decimal	16550331
CIE Lab	71.00, 49.28, -6.44
CIE LCh	71, 49.702, 352.555
Yxy	42.1875, 0.3811, 0.2769
Android (android.graphics.Color)	4294740411 (0xFFFC89BB)
YUV	177.0850, 4.8881, 65.7005
Hunter-Lab	64.9519, 45.9374, -2.1005

# Details

The CIELCh color **71, 49.702, 352.555** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **91, 46.119, 162.459**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **85, 34.055, 331.852**, and **51, 49.859, 352.464** is the 20% darker color. If you saturate the color by 10%, you get **66, 59.767, 354.327**, and if you desaturate by 10%, it is **77, 38.913, 351.087**.

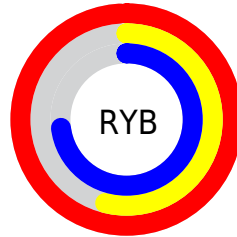
# Distribution



Red (99%)

Green (54%)

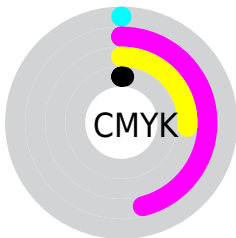
Blue (73%)



Red (99%)

Yellow (54%)

Blue (73%)

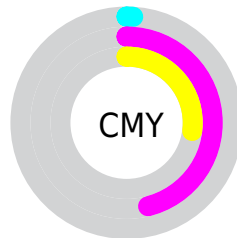


Cyan (0%)

Magenta (46%)

Yellow (26%)

Black (1%)



Cyan (1%)

Magenta (46%)


Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the CIELCh color 71, 49.702, 352.555 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, 49.702, 352.555 by changing the saturation by 10% instead.





 71, 49.702,  
352.555


 71, 49.702,  
352.555


 100, 49.702,  
352.555


 61, 49.702,  
352.555


 91, 49.702,  
352.555

 51, 49.702,  
352.555

 41, 49.702,  
352.555

 31, 49.702,  
352.555

 21, 49.702,  
352.555

 11, 49.702,  
352.555

 1, 49.702, 352.555

71, 49.702,  
352.555

71, 49.702,  
352.555

66, 59.767,  
354.327

77, 38.913,  
351.087

62, 68.575,  
356.515

83, 27.844,  
349.835

58, 75.562,  
359.275

89, 16.797,  
348.742

56, 80.348, 2.787

95, 5.966, 347.732

54, 82.987, 7.205

100, 1.033,  
199.981

54, 83.787, 9.347

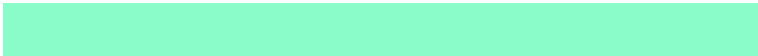
# Harmonies

# Complementary

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



71, 49.702, 352.555



91, 46.119, 162.459

# Rectangle

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



71, 49.702, 352.555



71, 49.702, 42.555



71, 49.702, 172.555



71, 49.702, 222.555

# Sweetspot

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



71, 49.699, 352.556



91, 15.159, 348.576



67, 66.021, 312.968



47, 10.495, 348.798



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, 49.699, 352.556



67, 59.727, 354.212



71, 45.842, 27.690



49, 6.017, 348.123



40, 67.358, 8.373



10, 30.603, 1.504





# Inverse Universe

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



71, 49.699, 352.556



67, 59.727, 354.212



91, 32.488, 202.725



49, 6.017, 348.123



40, 67.358, 8.373



10, 30.603, 1.504



# Previews

## White Background



This preview shows how the CIELCh color 71, 49.702, 352.555 looks on a white background.

## Color Contrast Check

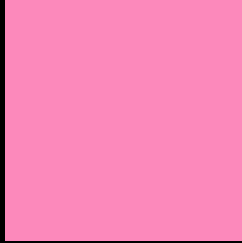
Large Text (above 18pt) WCAG AA × Fail

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, 49.702, 352.555 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, 49.702, 352.555

## Background



This preview shows how black text looks on a background with the CIELCh color 71, 49.702, 352.555.



This preview shows how white text looks on a background with the CIELCh color 71, 49.702, 352.555.

# 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, 49.702, 352.555

### Protanopia

71, 20.278, 285.421

### Deuteranopia

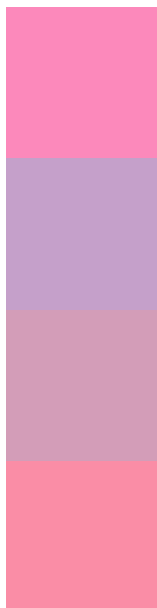
71, 10.076, 335.595



**Tritanopia**  
71, 42.834, 16.068



# Trichromacy



**Original Color**  
71, 49.702, 352.555

**Protanomaly**  
70, 26.612, 322.154

**Deuteranomaly**  
70, 25.011, 345.964

**Tritanomaly**  
71, 44.233, 6.744

# Monochromacy



**Original Color**  
71, 49.702, 352.555

**Achromatopsia**  
72, 0.009, 296.813

**Achromatomaly**  
71, 18.941, 348.184

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 71, 49.702, 352.555 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(252, 137, 187)` looks like.

```
.text, #text, p{  
    color:rgb(252, 137, 187)  
}
```

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(252, 137, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 137, 187) }
```

## Border

The CSS property to change the border of an element to CIELCh 71, 49.702, 352.555 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(252, 137, 187) }
```

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

```
.border{ border-color:rgb(252, 137, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 137, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 137, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 137, 187);  
box-shadow:4px 4px 4px 4px rgb(252, 137,  
187) }
```

# Background

The CSS property to change the background color of an element to CIELCh 71, 49.702, 352.555 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 137, 187) }
```

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

```
.background{ background-color: rgb(252,  
137, 187) }
```

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](#).

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