

# Converting Colors

CIELCh(72, 44.691, 1.407)

Have a look what the booklet for  
CIELCh(72, 44.691, 1.407) contains.

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# **Color**

**CIELCh(72, 44.854, 1.259)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FC8FB0
RGB	252, 143, 176
RGB Percent	99%, 56%, 69%
CMY	0.0103, 0.4379, 0.3085
CMYK	0.00, 0.43, 0.30, 0.01
HSL	342°, 95%, 78%
HSV	342°, 43%, 99%
XYZ	58.0227, 43.6590, 46.6169
YIQ	179.3530, 54.3710, 33.3710

# Conversions

## Conversions Part 2

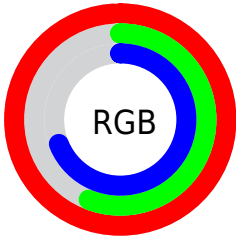
Format	Color
R <sub>Y</sub> B	252, 143, 176
Decimal	16551856
CIE Lab	72.00, 44.84, 0.99
CIE LCh	72, 44.854, 1.259
Yxy	43.6590, 0.3913, 0.2944
Android (android.graphics.Color)	4294741936 (0xFFFC8FB0)
YUV	179.3530, -1.6530, 63.7114
Hunter-Lab	66.0750, 41.1156, 4.4225

# Details

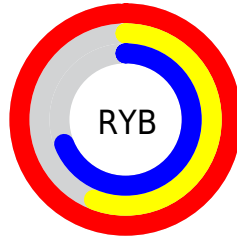
The CIELCh color **72, 44.854, 1.259** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **92, 39.395, 171.198**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **86, 26.465, 340.910**, and **52, 44.808, 1.115** is the 20% darker color. If you saturate the color by 10%, you get **67, 55.169, 3.300**, and if you desaturate by 10%, it is **78, 34.200, 359.603**.

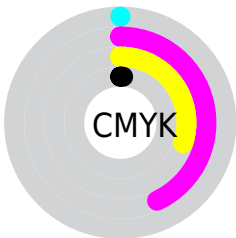
# Distribution



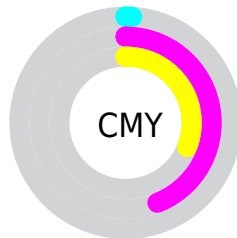
- Red (99%)
- Green (56%)
- Blue (69%)



- Red (99%)
- Yellow (56%)
- Blue (69%)



- Cyan (0%)
- Magenta (43%)
- Yellow (30%)
- Black (1%)



- Cyan (1%)
- Magenta (44%)
- Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 72, 44.854, 1.259 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 72, 44.854, 1.259 by changing the saturation by 10% instead.



 72, 44.854, 1.259

 72, 44.854, 1.259

 100, 44.854, 1.259

 62, 44.854, 1.259

 92, 44.854, 1.259

 52, 44.854, 1.259

 42, 44.854, 1.259

 32, 44.854, 1.259

 22, 44.854, 1.259

 12, 44.854, 1.259

 2, 44.854, 1.259

 0, 44.854, 1.259

 72, 44.854, 1.259

 72, 44.854, 1.259

67, 55.169, 3.300

78, 34.200,  
359.603

62, 64.700, 5.859

84, 23.561,  
358.222

58, 72.953, 9.107

56, 79.577, 13.219

90, 13.161,  
357.039

54, 84.589, 18.277

97, 3.129, 355.895

53, 87.467, 22.084

100, 0.913,  
200.073

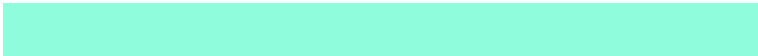
# Harmonies

# Complementary

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



72, 44.854, 1.259



92, 39.395, 171.198

# Rectangle

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



72, 44.854, 1.259



72, 44.854, 51.259



72, 44.854, 181.259



72, 44.854, 231.259

# Sweetspot

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



72, 44.851, 1.261



91, 13.064, 357.017



71, 63.650, 317.059



47, 9.181, 357.265



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

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



72, 44.851, 1.261



68, 54.415, 3.037



75, 39.044, 38.058



49, 5.580, 356.632



40, 69.872, 20.969



9, 30.564, 11.856





# Inverse Universe

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



72, 44.851, 1.261



68, 54.415, 3.037



87, 28.219, 219.763



49, 5.580, 356.632



40, 69.872, 20.969

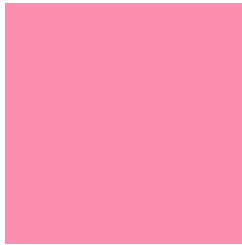


9, 30.564, 11.856



# Previews

## White Background



This preview shows how the CIELCh color 72, 44.854, 1.259 looks on a white background.

## Color Contrast Check

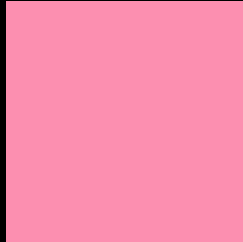
Large Text (above 18pt) WCAG AA × Fail

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 72, 44.854, 1.259 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

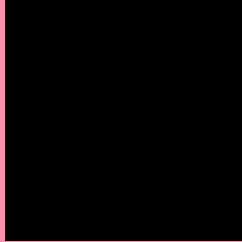
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**CIELCh 72, 44.854, 1.259**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 72, 44.854, 1.259.



This preview shows how white text looks on a background with the CIELCh color 72, 44.854, 1.259.

# 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

72, 44.854, 1.259

### Protanopia

72, 10.889, 289.361

### Deuteranopia

72, 9.631, 16.983



**Tritanopia**  
72, 41.883, 16.435



# Trichromacy



**Original Color**  
72, 44.854, 1.259



**Protanomaly**  
72, 19.900, 338.191



**Deuteranomaly**  
72, 22.330, 3.254



**Tritanomaly**  
72, 42.243, 10.785

# Monochromacy



**Original Color**  
72, 44.854, 1.259



**Achromatopsia**  
73, 0.009, 296.813



**Achromatomaly**  
72, 16.214, 357.317

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 72, 44.854, 1.259 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, 143, 176)` looks like.

```
.text, #text, p{  
    color:rgb(252, 143, 176)  
}
```

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, 143, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 143, 176) }
```

## Border

The CSS property to change the border of an element to CIELCh 72, 44.854, 1.259 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, 143, 176) }
```

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

```
.border{ border-color:rgb(252, 143, 176) }
```

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

Here you see how a box with a 4 pixel rgb(252, 143, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 143, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 143, 176);  
box-shadow:4px 4px 4px 4px rgb(252, 143,  
176) }
```

# Background

The CSS property to change the background color of an element to CIELCh 72, 44.854, 1.259 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 143, 176) }
```

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

```
.background{ background-color: rgb(252,  
143, 176) }
```

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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