

# Converting Colors

CIELCh(82, 57.054, 3.456)

Have a look what the booklet for  
CIELCh(82, 57.054, 3.456) contains.

<b>CIELCh(76, 41.359, 351.854)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	21
<i><b>Color Blindness Simulation</b></i> .....	24
<i><b>CSS Examples</b></i> .....	27

# **Color**

**CIELCh(76, 41.359, 351.854)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FE9EC7
RGB	254, 158, 199
RGB Percent	100%, 62%, 78%
CMY	0.0024, 0.3787, 0.2179
CMYK	0.00, 0.38, 0.22, 0.00
HSL	334°, 99%, 81%
HSV	334°, 38%, 100%
XYZ	63.6712, 49.8872, 60.5645
YIQ	191.3780, 44.0550, 33.1030

# Conversions

## Conversions Part 2

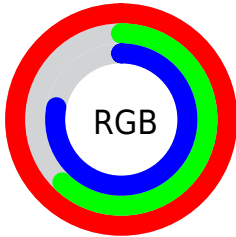
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	254, 158, 199
Decimal	16686791
CIE <sub>Lab</sub>	76.00, 40.94, -5.86
CIE <sub>LCh</sub>	76, 41.359, 351.854
Yxy	49.8872, 0.3657, 0.2865
Android (android.graphics.Color)	4294876871 (0xFFFE9EC7)
<b>YUV</b>	191.3780, 3.7576, 54.9195
Hunter-Lab	70.6309, 37.3072, -1.3983

# Details

The CIELCh color **76, 41.359, 351.854** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **93, 38.712, 163.921**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **90, 25.689, 325.319**, and **56, 41.321, 352.261** is the 20% darker color. If you saturate the color by 10%, you get **70, 52.093, 353.400**, and if you desaturate by 10%, it is **82, 30.264, 350.550**.

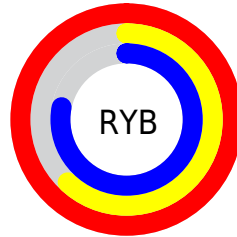
# Distribution



Red (100%)

Green (62%)

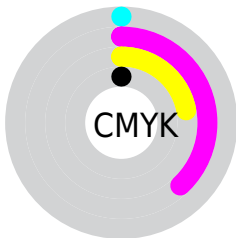
Blue (78%)



Red (100%)

Yellow (62%)

Blue (78%)

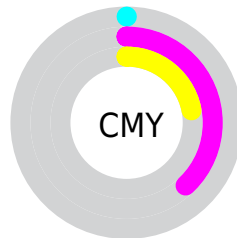


Cyan (0%)

Magenta (38%)

Yellow (22%)

Black (0%)



Cyan (0%)

Magenta (38%)


Yellow (22%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 41.359, 351.854 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 76, 41.359, 351.854 by changing the saturation by 10% instead.





 76, 41.359,  
351.854


 76, 41.359,  
351.854


 100, 41.359,  
351.854


 66, 41.359,  
351.854


 96, 41.359,  
351.854

 56, 41.359,  
351.854

 46, 41.359,  
351.854

 36, 41.359,  
351.854

 26, 41.359,  
351.854

 16, 41.359,  
351.854

 6, 41.359, 351.854

0, 41.359, 351.854

76, 41.359,  
351.854

76, 41.359,  
351.854

70, 52.093,  
353.400

82, 30.264,  
350.550

66, 62.014,  
355.275

88, 19.149,  
349.417

61, 70.559,  
357.607

95, 8.226, 348.396

58, 77.187, 0.559

100, 0.215,  
202.481

56, 81.592, 4.315

54, 83.988, 8.990

54, 84.452, 10.123



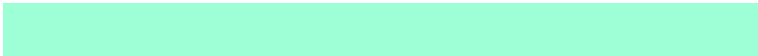
# Harmonies

# Complementary

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



76, 41.359, 351.854



93, 38.712, 163.921

# Rectangle

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



76, 41.359, 351.854



76, 41.359, 41.854



76, 41.359, 171.854



76, 41.359, 221.854

# Sweetspot

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



76, 41.356, 351.856



93, 11.806, 348.726



73, 54.890, 313.115



49, 7.948, 348.862



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

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



76, 41.356, 351.856



72, 49.333, 352.954



76, 36.586, 27.857



50, 6.089, 348.575



41, 68.076, 9.160



10, 31.378, 2.490



# Inverse Universe

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



76, 41.356, 351.856



72, 49.333, 352.954



92, 27.699, 204.636



50, 6.089, 348.575



41, 68.076, 9.160



10, 31.378, 2.490



# Previews

## White Background



This preview shows how the CIELCh color 76, 41.359, 351.854 looks on a white background.

## Color Contrast Check

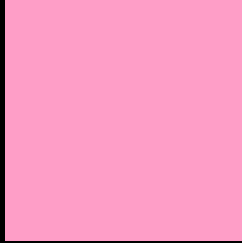
Large Text (above 18pt) WCAG AA × Fail

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 76, 41.359, 351.854 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

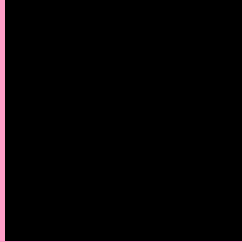
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 76, 41.359, 351.854

## Background



This preview shows how black text looks on a background with the CIELCh color 76, 41.359, 351.854.



This preview shows how white text looks on a background with the CIELCh color 76, 41.359, 351.854.

# 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

76, 41.390, 351.874

### Protanopia

76, 16.727, 287.017

### Deuteranopia

76, 10.485, 338.487





**Tritanopia**  
76, 35.255, 12.421

# Trichromacy



**Original Color**  
76, 41.390, 351.874



**Protanomaly**  
76, 22.163, 322.922



**Deuteranomaly**  
76, 22.285, 346.182



**Tritanomaly**  
76, 37.088, 3.912

# Monochromacy



**Original Color**  
76, 41.390, 351.874



**Achromatopsia**  
78, 0.009, 296.813



**Achromatomaly**  
77, 15.333, 349.166

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 76, 41.359, 351.854 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(254, 158, 199)` looks like.

```
.text, #text, p{  
    color:rgb(254, 158, 199)  
}
```

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(254, 158, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 158, 199) }
```

## Border

The CSS property to change the border of an element to CIELCh 76, 41.359, 351.854 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(254, 158, 199) }
```

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

```
.border{ border-color:rgb(254, 158, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 158, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 158, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 158, 199);  
box-shadow:4px 4px 4px 4px rgb(254, 158,  
199) }
```

# Background

The CSS property to change the background color of an element to CIELCh 76, 41.359, 351.854 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 158, 199) }
```

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

```
.background{ background-color: rgb(254,  
158, 199) }
```

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