

# Converting Colors

CIELCh(76, 52.638, 331.785)

Have a look what the booklet for  
CIELCh(76, 52.638, 331.785)  
contains.

<b>CIELCh(76, 52.341, 331.897)</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, 52.341, 331.897)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FA9CEA
RGB	250, 156, 234
RGB Percent	98%, 61%, 92%
CMY	0.0207, 0.3892, 0.0834
CMYK	0.00, 0.38, 0.06, 0.02
HSL	310°, 90%, 80%
HSV	310°, 38%, 98%
XYZ	65.9814, 49.8872, 83.7894
YIQ	192.9980, 30.9860, 44.1860

# Conversions

## Conversions Part 2

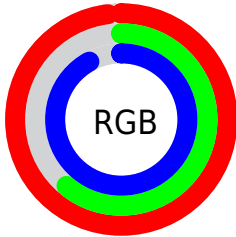
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	250, 156, 234
Decimal	16424170
CIE Lab	76.00, 46.17, -24.66
CIE LCh	76, 52.341, 331.897
Yxy	49.8872, 0.3305, 0.2499
Android (android.graphics.Color)	4294614250 (0xFFFA9CEA)
YUV	192.9980, 20.2140, 49.9908
Hunter-Lab	70.6309, 43.1455, -20.8941

# Details

The CIELCh color **76, 52.341, 331.897** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **91, 52.248, 146.472**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **90, 26.948, 325.363**, and **56, 52.544, 331.927** is the 20% darker color. If you saturate the color by 10%, you get **71, 65.256, 332.570**, and if you desaturate by 10%, it is **81, 38.660, 331.236**.

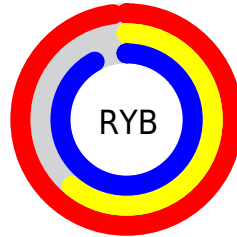
# Distribution



Red (98%)

Green (61%)

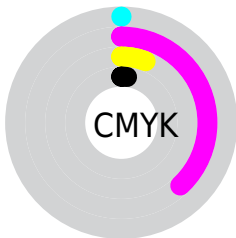
Blue (92%)



Red (98%)

Yellow (61%)

Blue (92%)

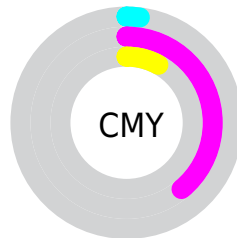


Cyan (0%)

Magenta (38%)

Yellow (6%)

Black (2%)



Cyan (2%)

Magenta (39%)


Yellow (8%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 52.341, 331.897 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, 52.341, 331.897 by changing the saturation by 10% instead.





 76, 52.341,  
331.897


 76, 52.341,  
331.897


 100, 52.341,  
331.897


 66, 52.341,  
331.897


 96, 52.341,  
331.897

 56, 52.341,  
331.897

 46, 52.341,  
331.897

 36, 52.341,  
331.897

 26, 52.341,  
331.897

 16, 52.341,  
331.897

 6, 52.341, 331.897

76, 52.341,  
331.897

76, 52.341,  
331.897

71, 65.256,  
332.570

81, 38.660,  
331.236

67, 76.865,  
333.254

87, 24.650,  
330.586

63, 86.538,  
333.956

93, 10.612,  
329.940

60, 93.678,  
334.690

100, 2.858,  
150.204

58, 97.902,  
335.481

100, 1.832,  
199.282

57, 99.266,  
336.360

100, 1.832,  
199.651

■ 57, 99.374,  
336.577

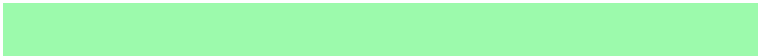
# Harmonies

# Complementary

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



76, 52.341, 331.897



91, 52.248, 146.472

# Rectangle

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



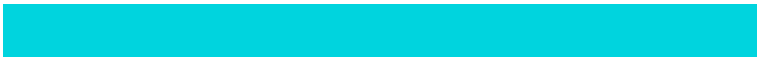
76, 52.341, 331.897



76, 52.341, 21.897



76, 52.341, 151.897



76, 52.341, 201.897

# Sweetspot

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



76, 52.338, 331.897



93, 15.591, 330.160



69, 51.983, 300.286



49, 10.484, 330.247



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, 52.338, 331.897



74, 63.013, 332.395



75, 39.016, 358.122



49, 7.919, 330.062



43, 80.689, 336.408



11, 37.112, 335.206



# Inverse Universe

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



76, 52.338, 331.897



74, 63.013, 332.395



92, 35.314, 169.791



49, 7.919, 330.062



43, 80.689, 336.408



11, 37.112, 335.206



# Previews

## White Background



This preview shows how the CIELCh color 76, 52.341, 331.897 looks on a white background.

## Color Contrast Check

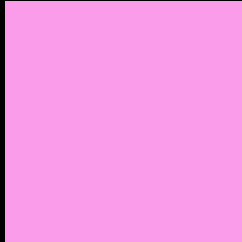
Large Text (above 18pt) WCAG AA × Fail

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, 52.341, 331.897 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

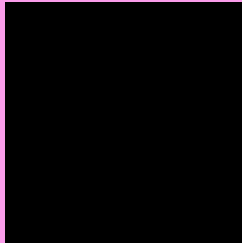
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 76, 52.341, 331.897

## Background



This preview shows how black text looks on a background with the CIELCh color 76, 52.341, 331.897.



This preview shows how white text looks on a background with the CIELCh color 76, 52.341, 331.897.

# 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**  
76, 30.072, 10.013

# Trichromacy



**Original Color**  
76, 52.341, 331.897



**Protanomaly**  
75, 40.350, 304.795



**Deuteranomaly**  
76, 33.127, 314.023

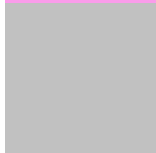


**Tritanomaly**  
76, 35.787, 350.527

# Monochromacy



**Original Color**  
76, 52.341, 331.897



**Achromatopsia**  
78, 0.009, 296.813



**Achromatomaly**  
77, 20.144, 330.538

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 76, 52.341, 331.897 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(250, 156, 234)` looks like.

```
.text, #text, p{  
    color:rgb(250, 156, 234)  
}
```

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(250, 156, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 156, 234) }
```

## Border

The CSS property to change the border of an element to CIELCh 76, 52.341, 331.897 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(250, 156, 234) }
```

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

```
.border{ border-color:rgb(250, 156, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 156, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 156, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 156, 234);  
box-shadow:4px 4px 4px 4px rgb(250, 156,  
234) }
```

# Background

The CSS property to change the background color of an element to CIELCh 76, 52.341, 331.897 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 156, 234) }
```

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

```
.background{ background-color: rgb(250,  
156, 234) }
```

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