

# Converting Colors

CIELCh(71, 42.662, 338.604)

Have a look what the booklet for  
CIELCh(71, 42.662, 338.604)  
contains.

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**Color**

**CIELCh(71, 42.565, 338.499)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E793CB
RGB	231, 147, 203
RGB Percent	91%, 58%, 80%
CMY	0.0940, 0.4234, 0.2038
CMYK	0.00, 0.36, 0.12, 0.09
HSL	320°, 64%, 74%
HSV	320°, 36%, 91%
XYZ	54.1908, 42.1875, 61.8098
YIQ	178.5000, 32.0880, 35.2240

# Conversions

## Conversions Part 2

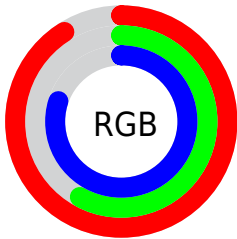
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	231, 147, 203
Decimal	15176651
CIE Lab	71.00, 39.60, -15.60
CIE LCh	71, 42.565, 338.499
Yxy	42.1875, 0.3426, 0.2667
Android (android.graphics.Color)	4293366731 (0xFFE793CB)
YUV	178.5000, 12.0785, 46.0425
Hunter-Lab	64.9519, 35.2606, -10.9555

# Details

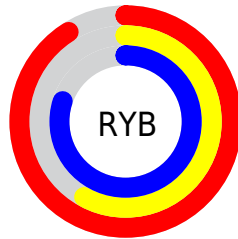
The CIELCh color  $71, 42.565, 338.499$  is a light color, and the websafe version is hex `FF99CC`. A complement of this color would be  $85, 41.929, 152.487$ , and the grayscale version is  $73, 0.009, 296.813$ .

A 20% lighter version of the original color is  $87, 33.240, 325.581$ , and  $51, 42.920, 338.337$  is the 20% darker color. If you saturate the color by 10%, you get  $66, 53.657, 339.445$ , and if you desaturate by 10%, it is  $76, 30.937, 337.636$ .

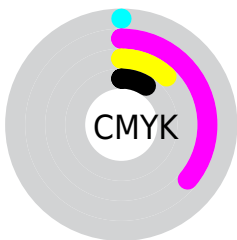
# Distribution



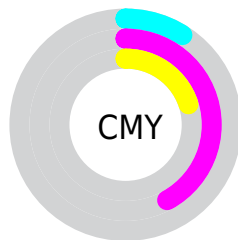
- Red (91%)
- Green (58%)
- Blue (80%)



- Red (91%)
- Yellow (58%)
- Blue (80%)



- Cyan (0%)
- Magenta (36%)
- Yellow (12%)
- Black (9%)



- Cyan (9%)
- Magenta (42%)
- Yellow (20%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 42.565, 338.499 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, 42.565, 338.499 by changing the saturation by 10% instead.



 71, 42.565,  
338.499

 71, 42.565,  
338.499

 100, 42.565,  
338.499

 61, 42.565,  
338.499

 91, 42.565,  
338.499

 51, 42.565,  
338.499

 41, 42.565,  
338.499

 31, 42.565,  
338.499

 21, 42.565,  
338.499

 11, 42.565,  
338.499

 1, 42.565, 338.499

0, 42.565, 338.499

71, 42.565,  
338.499

71, 42.565,  
338.499

66, 53.657,  
339.445

76, 30.937,  
337.636

62, 63.750,  
340.500

82, 19.129,  
336.833

58, 72.275,  
341.706

88, 7.378, 336.061

55, 78.655,  
343.125

94, 4.167, 155.516

53, 82.464,  
344.842

98, 10.891,  
159.772

51, 83.646,  
346.951

98, 8.810, 179.455

98, 8.175, 198.969

■ 51, 83.713,  
347.793

# Harmonies

# Complementary

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



71, 42.565, 338.499



85, 41.929, 152.487

# Rectangle

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



71, 42.565, 338.499



71, 42.565, 28.499



71, 42.565, 158.499



71, 42.565, 208.499

# Sweetspot

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



71, 42.562, 338.500



93, 13.884, 336.425



66, 47.539, 305.468



49, 9.339, 336.529



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, 42.562, 338.500



73, 55.352, 339.237



70, 33.958, 10.136



45, 6.573, 336.302



39, 69.242, 347.354



7, 29.930, 343.541



# Inverse Universe

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



71, 42.562, 338.500



73, 55.352, 339.237



86, 28.607, 182.517



45, 6.573, 336.302



39, 69.242, 347.354



7, 29.930, 343.541



# Previews

## White Background



This preview shows how the CIELCh color 71, 42.565, 338.499 looks on a white background.

## Color Contrast Check

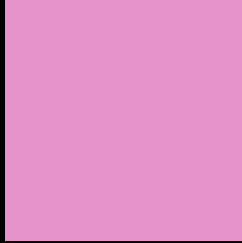
Large Text (above 18pt) WCAG AA × Fail

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, 42.565, 338.499 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

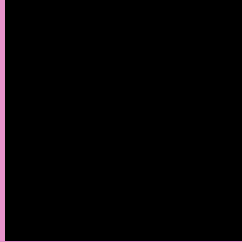
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 71, 42.565, 338.499

## Background



This preview shows how black text looks on a background with the CIELCh color 71, 42.565, 338.499.

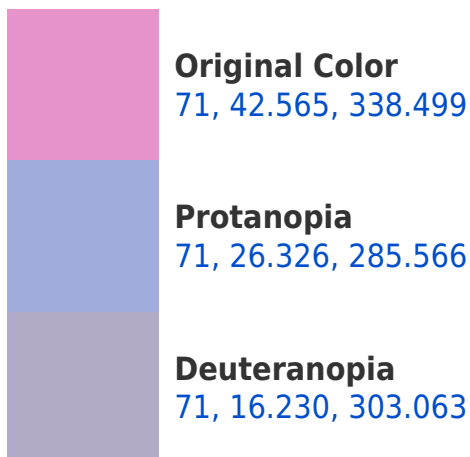


This preview shows how white text looks on a background with the CIELCh color 71, 42.565, 338.499.

# 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**  
71, 29.333, 9.633

# Trichromacy



**Original Color**  
71, 42.565, 338.499



**Protanomaly**  
71, 29.258, 309.209



**Deuteranomaly**  
71, 24.560, 323.988



**Tritanomaly**  
71, 32.838, 355.436

# Monochromacy



**Original Color**  
71, 42.565, 338.499



**Achromatopsia**  
73, 0.009, 296.813



**Achromatomaly**  
72, 16.267, 336.301

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 71, 42.565, 338.499 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(231, 147, 203)` looks like.

```
.text, #text, p{  
    color:rgb(231, 147, 203)  
}
```

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(231, 147, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 147, 203) }
```

## Border

The CSS property to change the border of an element to CIELCh 71, 42.565, 338.499 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(231, 147, 203) }
```

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

```
.border{ border-color:rgb(231, 147, 203) }
```

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

Here you see how a box with a 4 pixel rgb(231, 147, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 147, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 147, 203);  
box-shadow:4px 4px 4px 4px rgb(231, 147,  
203) }
```

# Background

The CSS property to change the background color of an element to CIELCh 71, 42.565, 338.499 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 147, 203) }
```

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

```
.background{ background-color: rgb(231,  
147, 203) }
```

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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