

# Converting Colors

CIELCh(66, 70.749, 340.352)

Have a look what the booklet for  
CIELCh(66, 70.749, 340.352)  
contains.

<b>CIELCh(66, 70.900, 340.058)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	20
<i><b>Color Blindness Simulation</b></i> .....	23
<i><b>CSS Examples</b></i> .....	26

**Color**

**CIELCh(66, 70.900, 340.058)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FC69CD
RGB	252, 105, 205
RGB Percent	99%, 41%, 80%
CMY	0.0107, 0.5872, 0.1951
CMYK	0.00, 0.58, 0.19, 0.01
HSL	319°, 96%, 70%
HSV	319°, 58%, 99%
XYZ	56.3738, 35.3238, 61.7653
YIQ	160.3530, 55.5120, 62.2640

# Conversions

## Conversions Part 2

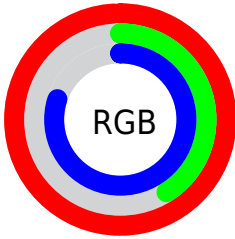
Format	Color
R <sub>Y</sub> B	252, 105, 205
Decimal	16542157
CIE Lab	66.00, 66.65, -24.18
CIE LCh	66, 70.900, 340.058
Yxy	35.3238, 0.3673, 0.2302
Android (android.graphics.Color)	4294732237 (0xFFFC69CD)
YUV	160.3530, 22.0110, 80.3744
Hunter-Lab	59.4338, 65.3004, -20.0122

# Details

The CIELCh color **66, 70.900, 340.058** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **89, 70.691, 149.065**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **79, 57.941, 326.417**, and **46, 71.136, 339.843** is the 20% darker color. If you saturate the color by 10%, you get **62, 79.649, 341.259**, and if you desaturate by 10%, it is **71, 60.295, 339.009**.

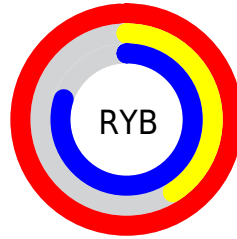
# Distribution



Red (99%)

Green (41%)

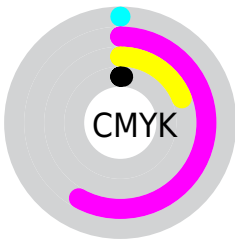
Blue (80%)



Red (99%)

Yellow (41%)

Blue (80%)

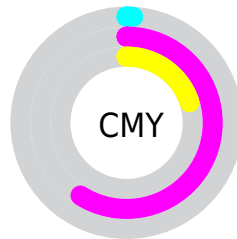


Cyan (0%)

Magenta (58%)

Yellow (19%)

Black (1%)



Cyan (1%)

Magenta (59%)


Yellow (20%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 70.900, 340.058 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 66, 70.900, 340.058 by changing the saturation by 10% instead.





 66, 70.900,  
340.058


 66, 70.900,  
340.058


 100, 70.900,  
340.058


 56, 70.900,  
340.058


 86, 70.900,  
340.058

 46, 70.900,  
340.058

 96, 70.900,  
340.058

 36, 70.900,  
340.058

 26, 70.900,  
340.058

 16, 70.900,  
340.058

 6, 70.900, 340.058

 0, 70.900, 340.058

66, 70.900,  
340.058

66, 70.900,  
340.058

62, 79.649,  
341.259

71, 60.295,  
339.009

59, 85.944,  
342.672

76, 48.472,  
338.067

57, 89.390,  
344.380

82, 35.969,  
337.205

56, 90.104,  
346.464

88, 23.193,  
336.404

56, 90.105,  
346.848

94, 10.428,  
335.640

100, 1.164,  
164.643

100, 0.946,  
200.046

# Harmonies

# Complementary

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



66, 70.900, 340.058



89, 70.691, 149.065

# Rectangle

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



66, 70.900, 340.058



66, 70.900, 30.058



66, 70.900, 160.058



66, 70.900, 210.058

# Sweetspot

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



66, 70.897, 340.058



89, 21.752, 336.306



56, 83.871, 306.870



46, 14.564, 336.462



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

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



66, 70.897, 340.058



62, 81.616, 341.491



64, 59.955, 13.696



49, 7.118, 335.733



42, 72.686, 346.412



10, 33.741, 343.434





# Inverse Universe

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



66, 70.897, 340.058



62, 81.616, 341.491



91, 45.689, 178.624



49, 7.118, 335.733



42, 72.686, 346.412



10, 33.741, 343.434



# Previews

## White Background



This preview shows how the CIELCh color 66, 70.900, 340.058 looks on a white background.

## Color Contrast Check

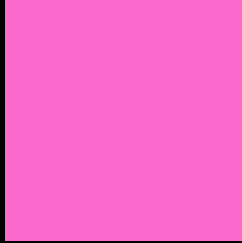
Large Text (above 18pt) WCAG AA × Fail

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 66, 70.900, 340.058 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 66, 70.900, 340.058

## Background



This preview shows how black text looks on a background with the CIELCh color 66, 70.900, 340.058.

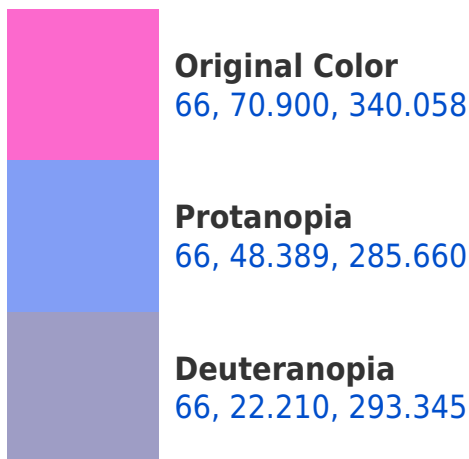


This preview shows how white text looks on a background with the CIELCh color 66, 70.900, 340.058.

# 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**  
66, 50.461, 19.815



# Trichromacy



**Original Color**  
66, 70.900, 340.058



**Protanomaly**  
64, 52.541, 307.248



**Deuteranomaly**  
65, 39.316, 322.332



**Tritanomaly**  
66, 54.230, 1.868

# Monochromacy



**Original Color**  
66, 70.900, 340.058



**Achromatopsia**  
66, 0.008, 296.813



**Achromatomaly**  
65, 28.065, 337.130

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 66, 70.900, 340.058 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, 105, 205)` looks like.

```
.text, #text, p{  
    color:rgb(252, 105, 205)  
}
```

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, 105, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 105, 205) }
```

## Border

The CSS property to change the border of an element to CIELCh 66, 70.900, 340.058 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, 105, 205) }
```

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

```
.border{ border-color:rgb(252, 105, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 105, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 105, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 105, 205);  
box-shadow:4px 4px 4px 4px rgb(252, 105,  
205) }
```

# Background

The CSS property to change the background color of an element to CIELCh 66, 70.900, 340.058 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 105, 205) }
```

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

```
.background{ background-color: rgb(252,  
105, 205) }
```

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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