

# Converting Colors

CIELCh(70, 73.611, 3.848)

Have a look what the booklet for  
CIELCh(70, 73.611, 3.848) contains.

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**Color**

**CIELCh(65, 63.453, 357.051)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF68A6
RGB	255, 104, 166
RGB Percent	100%, 41%, 65%
CMY	0.0000, 0.5927, 0.3499
CMYK	0.00, 0.59, 0.35, 0.00
HSL	335°, 100%, 70%
HSV	335°, 59%, 100%
XYZ	53.3731, 34.0472, 39.7325
YIQ	156.2170, 70.0940, 51.2940

# Conversions

## Conversions Part 2

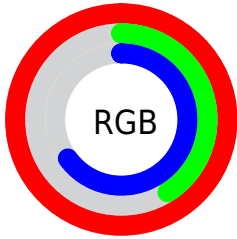
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 104, 166
Decimal	16738470
CIE Lab	65.00, 63.37, -3.26
CIE LCh	65, 63.453, 357.051
Yxy	34.0472, 0.4198, 0.2678
Android (android.graphics.Color)	4294928550 (0xFFFF68A6)
YUV	156.2170, 4.8230, 86.6327
Hunter-Lab	58.3500, 61.1626, 0.4724

# Details

The CIELCh color **65, 63.453, 357.051** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **91, 57.167, 161.895**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **77, 45.864, 339.907**, and **45, 63.146, 356.810** is the 20% darker color. If you saturate the color by 10%, you get **61, 71.531, 359.344**, and if you desaturate by 10%, it is **70, 53.421, 354.843**.

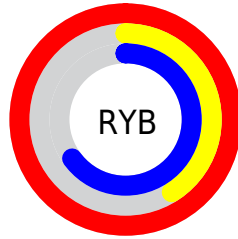
# Distribution



Red (100%)

Green (41%)

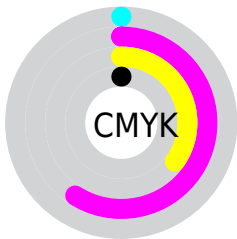
Blue (65%)



Red (100%)

Yellow (41%)

Blue (65%)

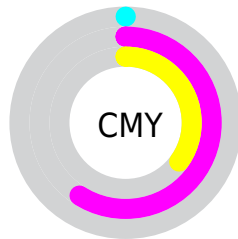


Cyan (0%)

Magenta (59%)

Yellow (35%)

Black (0%)



Cyan (0%)

Magenta (59%)


Yellow (35%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 63.453, 357.051 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 65, 63.453, 357.051 by changing the saturation by 10% instead.





 65, 63.453,  
357.051


 65, 63.453,  
357.051


 100, 63.453,  
357.051


 55, 63.453,  
357.051


 85, 63.453,  
357.051

 45, 63.453,  
357.051

 95, 63.453,  
357.051

 35, 63.453,  
357.051

 25, 63.453,  
357.051

 15, 63.453,  
357.051

 5, 63.453, 357.051

 0, 63.453, 357.051

65, 63.453,  
357.051

65, 63.453,  
357.051

61, 71.531,  
359.344

70, 53.421,  
354.843

58, 77.941, 2.522

75, 42.790,  
353.209

56, 82.184, 6.558

81, 31.769,  
351.838

54, 84.664, 11.488

54, 84.838, 11.857

87, 20.705,  
350.659

94, 9.822, 349.609

100, 0.012,  
296.813

# Harmonies

# Complementary

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



65, 63.453, 357.051



91, 57.167, 161.895

# Rectangle

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



65, 63.453, 357.051



65, 63.453, 47.051



65, 63.453, 177.051



65, 63.453, 227.051

# Sweetspot

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



65, 63.188, 356.842



88, 19.305, 350.519



60, 86.445, 314.550



45, 13.463, 350.841



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

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



65, 63.188, 356.842



60, 72.787, 359.839



66, 61.314, 32.275



50, 6.024, 349.633



41, 68.217, 10.859



10, 31.322, 3.961





# Inverse Universe

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



65, 63.188, 356.842



60, 72.787, 359.839



89, 38.039, 207.159



50, 6.024, 349.633



41, 68.217, 10.859



10, 31.322, 3.961



# Previews

## White Background



This preview shows how the CIELCh color 65, 63.453, 357.051 looks on a white background.

## Color Contrast Check

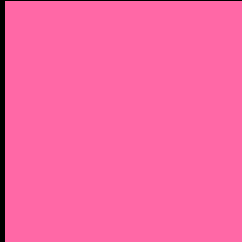
Large Text (above 18pt) WCAG AA × Fail

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 65, 63.453, 357.051 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 65, 63.453, 357.051

## Background



This preview shows how black text looks on a background with the CIELCh color 65, 63.453, 357.051.



This preview shows how white text looks on a background with the CIELCh color 65, 63.453, 357.051.

# 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**  
65, 63.152, 356.770

**Protanopia**  
65, 24.016, 285.465

**Deuteranopia**  
65, 7.879, 359.558



**Tritanopia**  
65, 57.639, 22.237



# Trichromacy



**Original Color**  
65, 63.152, 356.770



**Protanomaly**  
63, 33.044, 325.312



**Deuteranomaly**  
64, 29.543, 353.694



**Tritanomaly**  
65, 57.879, 12.645

# Monochromacy



**Original Color**  
65, 63.152, 356.770



**Achromatopsia**  
64, 0.008, 296.813



**Achromatomaly**  
63, 24.779, 351.168

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 65, 63.453, 357.051 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(255, 104, 166)` looks like.

```
.text, #text, p{  
    color:rgb(255, 104, 166)  
}
```

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(255, 104, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 104, 166) }
```

## Border

The CSS property to change the border of an element to CIELCh 65, 63.453, 357.051 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(255, 104, 166) }
```

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

```
.border{ border-color:rgb(255, 104, 166) }
```

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

Here you see how a box with a 4 pixel rgb(255, 104, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 104, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 104, 166);  
box-shadow:4px 4px 4px 4px rgb(255, 104,  
166) }
```

# Background

The CSS property to change the background color of an element to CIELCh 65, 63.453, 357.051 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 104, 166) }
```

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

```
.background{ background-color: rgb(255,  
104, 166) }
```

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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