

# Converting Colors

CIELCh(65, 74.944, 333.098)

Have a look what the booklet for  
CIELCh(65, 74.944, 333.098)  
contains.

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# Color

**CIELCh(65, 74.986, 333.033)**

# Conversions

Conversions Part 1	
Format	Color
Hex	F368DC
RGB	243, 104, 220
RGB Percent	95%, 41%, 86%
CMY	0.0478, 0.5928, 0.1379
CMYK	0.00, 0.57, 0.09, 0.05
HSL	310°, 85%, 68%
HSV	310°, 57%, 95%
XYZ	54.7288, 34.0472, 71.2798
YIQ	158.7850, 45.6080, 65.5440

# Conversions

## Conversions Part 2

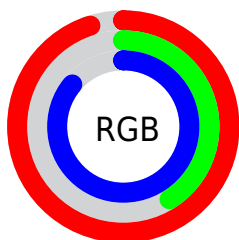
Format	Color
<a href="#">RYB</a>	<a href="#">243, 104, 220</a>
Decimal	<a href="#">15952092</a>
CIELab	<a href="#">65.00, 66.83, -34.00</a>
CIELCh	<a href="#">65, 74.986, 333.033</a>
Yxy	<a href="#">34.0472, 0.3419, 0.2127</a>
Android (android.graphics.Color)	<a href="#">4294142172</a> (0xFFFF368DC)
YUV	<a href="#">158.7850, 30.1790, 73.8566</a>
Hunter-Lab	<a href="#">58.3500, 65.3101, -31.5832</a>

# Details

The CIELCh color **65, 74.986, 333.033** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **86, 75.843, 143.953**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **78, 58.540, 326.437**, and **45, 75.107, 332.964** is the 20% darker color. If you saturate the color by 10%, you get **61, 84.576, 333.721**, and if you desaturate by 10%, it is **69, 63.526, 332.360**.

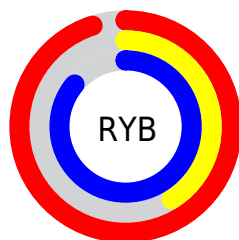
# Distribution



Red (95%)

Green (41%)

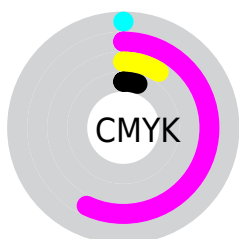
Blue (86%)



Red (95%)

Yellow (41%)

Blue (86%)

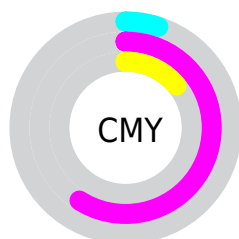


Cyan (0%)

Magenta (57%)

Yellow (9%)

Black (5%)



Cyan (5%)

Magenta (59%)


Yellow (14%)


# Brightness & Saturation Gradients

These gradients show how the CIELCh color 65, 74.986, 333.033 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, 74.986, 333.033 by changing the saturation by 10% instead.





 65, 74.986,  
333.033


 65, 74.986,  
333.033


 100, 74.986,  
333.033


 55, 74.986,  
333.033


 85, 74.986,  
333.033

 45, 74.986,  
333.033

 95, 74.986,  
333.033


 35, 74.986,  
333.033


 25, 74.986,  
333.033


 15, 74.986,  
333.033


 5, 74.986, 333.033


 0, 74.986, 333.033


 65, 74.986,  
333.033


 65, 74.986,  
333.033


 61, 84.576,  
333.721


 69, 63.526,  
332.360


 59, 91.721,  
334.435


 74, 50.814,  
331.696

 57, 96.027,  
335.199

 80, 37.378,  
331.040

 56, 97.519,  
336.041

 85, 23.632,  
330.396

 55, 97.666,  
336.284

 91, 9.869, 329.753

 97, 3.718, 149.280

 99, 5.596, 159.334

 99, 4.517, 179.260

 99, 4.203, 199.296



# Harmonies

# Complementary

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



65, 74.986, 333.033



86, 75.843, 143.953

# Rectangle

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



65, 74.986, 333.033



65, 74.986, 23.033



65, 74.986, 153.033



65, 74.986, 203.033

# Sweetspot

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



65, 74.983, 333.033



89, 24.248, 330.383



53, 79.907, 302.481



46, 16.229, 330.512



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, 74.983, 333.033



64, 89.426, 333.857



63, 57.879, 0.687



48, 7.812, 329.900



43, 80.176, 336.128



10, 36.250, 334.916



# Inverse Universe

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



65, 74.983, 333.033



64, 89.426, 333.857



87, 50.572, 166.005



48, 7.812, 329.900



43, 80.176, 336.128

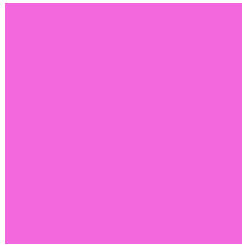


10, 36.250, 334.916



# Previews

## White Background



This preview shows how the CIE LCh color 65, 74.986, 333.033 looks on a white background.

## Color Contrast Check

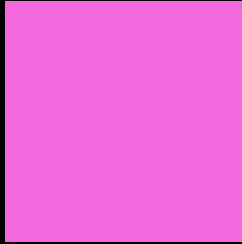
Large Text (above 18pt) WCAG AA × Fail

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, 74.986, 333.033 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

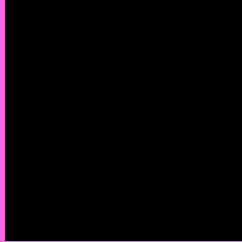
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**CIELCh 65, 74.986, 333.033**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 65, 74.986, 333.033.



This preview shows how white text looks on a background with the CIELCh color 65, 74.986, 333.033.

# 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, 74.986, 333.033

### Protanopia

65, 55.732, 285.998

### Deuteranopia

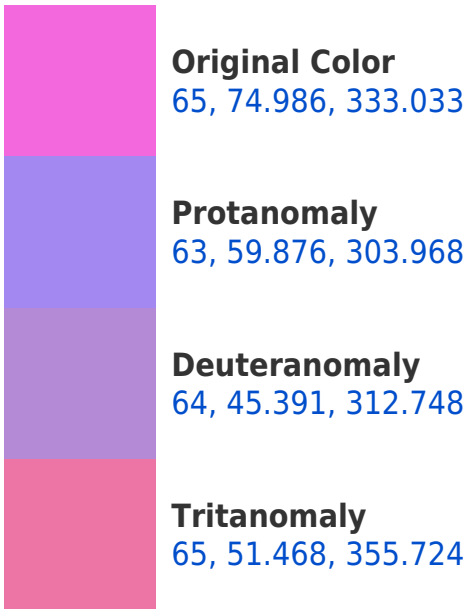
65, 30.674, 286.117





**Tritanopia**  
65, 45.077, 18.437

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 65, 74.986, 333.033 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(243, 104, 220)` looks like.

```
.text, #text, p{  
    color:rgb(243, 104, 220)  
}
```

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(243, 104, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 104, 220) }
```

## Border

The CSS property to change the border of an element to CIELCh 65, 74.986, 333.033 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(243, 104, 220) }
```

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

```
.border{ border-color:rgb(243, 104, 220) }
```

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

Here you see how a box with a 4 pixel rgb(243, 104, 220) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 104, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 104, 220);  
box-shadow:4px 4px 4px 4px rgb(243, 104,  
220) }
```

# Background

The CSS property to change the background color of an element to CIELCh 65, 74.986, 333.033 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 104, 220) }
```

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

```
.background{ background-color: rgb(243,  
104, 220) }
```

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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