

# Converting Colors

CIELCh(64, 73.022, 334.833)

Have a look what the booklet for  
CIELCh(64, 73.022, 334.833)  
contains.

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**Color**

**CIELCh(64, 73.356, 334.795)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F165D4
RGB	241, 101, 212
RGB Percent	95%, 40%, 83%
CMY	0.0545, 0.6035, 0.1683
CMYK	0.00, 0.58, 0.12, 0.05
HSL	312°, 83%, 67%
HSV	312°, 58%, 95%
XYZ	52.8671, 32.8017, 65.8935
YIQ	155.5140, 47.8090, 64.2010

# Conversions

## Conversions Part 2

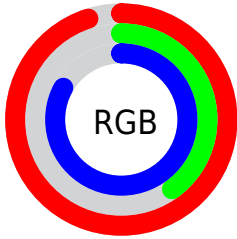
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	241, 101, 212
Decimal	15820244
CIE <sub>Lab</sub>	64.00, 66.37, -31.24
CIE <sub>LCh</sub>	64, 73.356, 334.795
Y <sub>xy</sub>	32.8017, 0.3488, 0.2164
Android (android.graphics.Color)	4294010324 (0xFFFF165D4)
YUV	155.5140, 27.8476, 74.9712
Hunter-Lab	57.2727, 64.5418, -28.1234

# Details

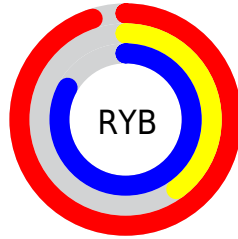
The CIELCh color **64, 73.356, 334.795** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **86, 74.099, 145.151**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **78, 60.331, 326.496**, and **44, 73.381, 334.860** is the 20% darker color. If you saturate the color by 10%, you get **60, 82.453, 335.601**, and if you desaturate by 10%, it is **68, 62.384, 334.035**.

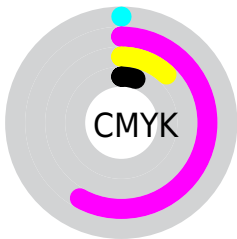
# Distribution



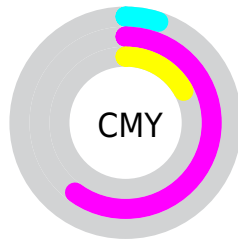
- Red (95%)
- Green (40%)
- Blue (83%)



- Red (95%)
- Yellow (40%)
- Blue (83%)



- Cyan (0%)
- Magenta (58%)
- Yellow (12%)
- Black (5%)




- Cyan (5%)
- Magenta (60%)
- Yellow (17%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 73.356, 334.795 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 64, 73.356, 334.795 by changing the saturation by 10% instead.




 64, 73.356,  
334.795


 64, 73.356,  
334.795


 100, 73.356,  
334.795


 54, 73.356,  
334.795


 84, 73.356,  
334.795

 44, 73.356,  
334.795

 94, 73.356,  
334.795

 34, 73.356,  
334.795

 24, 73.356,  
334.795

 14, 73.356,  
334.795

 4, 73.356, 334.795

 0, 73.356, 334.795

64, 73.356,  
334.795

64, 73.356,  
334.795

60, 82.453,  
335.601

68, 62.384,  
334.035

58, 89.106,  
336.477

73, 50.155,  
333.306

56, 92.938,  
337.459

79, 37.198,  
332.603

55, 94.039,  
338.584

84, 23.923,  
331.922

55, 94.106,  
338.812

90, 10.622,  
331.254

96, 2.510, 150.807

99, 6.353, 159.653

99, 5.062, 181.980



# Harmonies

# Complementary

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



64, 73.356, 334.795



86, 74.099, 145.151

# Rectangle

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



64, 73.356, 334.795



64, 73.356, 24.795



64, 73.356, 154.795



64, 73.356, 204.795

# Sweetspot

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



64, 73.353, 334.795



89, 23.548, 331.854



52, 80.615, 303.816



46, 15.762, 331.990



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

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



64, 73.353, 334.795



63, 87.749, 335.782



62, 57.744, 4.631



47, 7.454, 331.348



42, 76.918, 338.591



9, 34.307, 336.866



# Inverse Universe

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



64, 73.353, 334.795



63, 87.749, 335.782



87, 48.614, 169.345



47, 7.454, 331.348



42, 76.918, 338.591



9, 34.307, 336.866



# Previews

## White Background



This preview shows how the CIELCh color 64, 73.356, 334.795 looks on a white background.

## Color Contrast Check

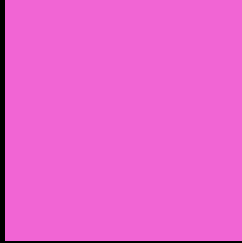
Large Text (above 18pt) WCAG AA × Fail

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 64, 73.356, 334.795 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

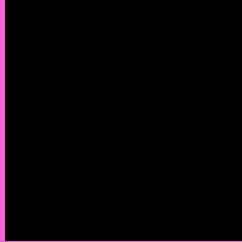
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 64, 73.356, 334.795

## Background



This preview shows how black text looks on a background with the CIELCh color 64, 73.356, 334.795.

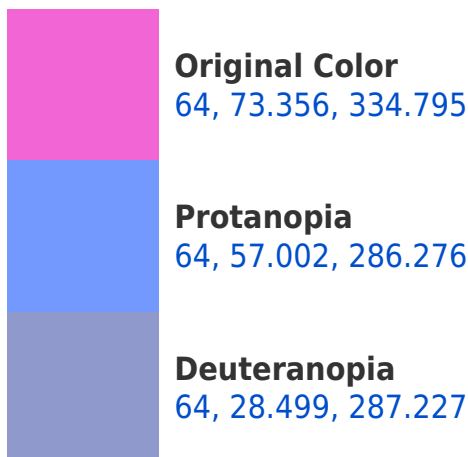


This preview shows how white text looks on a background with the CIELCh color 64, 73.356, 334.795.

# 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**  
64, 46.138, 19.442

# Trichromacy



**Original Color**  
64, 73.356, 334.795



**Protanomaly**  
62, 60.065, 304.020



**Deuteranomaly**  
63, 43.682, 314.579



**Tritanomaly**  
64, 51.875, 357.526

# Monochromacy



**Original Color**  
64, 73.356, 334.795



**Achromatopsia**  
64, 0.008, 296.813



**Achromatomaly**  
63, 29.237, 332.837

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 64, 73.356, 334.795 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(241, 101, 212)` looks like.

```
.text, #text, p{  
    color:rgb(241, 101, 212)  
}
```

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(241, 101, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 101, 212) }
```

## Border

The CSS property to change the border of an element to CIELCh 64, 73.356, 334.795 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(241, 101, 212) }
```

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

```
.border{ border-color:rgb(241, 101, 212) }
```

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

Here you see how a box with a 4 pixel rgb(241, 101, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 101, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 101, 212);  
box-shadow:4px 4px 4px 4px rgb(241, 101,  
212) }
```

# Background

The CSS property to change the background color of an element to CIELCh 64, 73.356, 334.795 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 101, 212) }
```

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

```
.background{ background-color: rgb(241,  
101, 212) }
```

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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