

# Converting Colors

CIELCh(75, 101.528, 351.774)

Have a look what the booklet for  
CIELCh(75, 101.528, 351.774)  
contains.

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**Color**

**CIELCh(62, 90.768, 336.336)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF42D8
RGB	255, 66, 216
RGB Percent	100%, 26%, 85%
CMY	0.0000, 0.7394, 0.1525
CMYK	0.00, 0.74, 0.15, 0.00
HSL	312°, 100%, 63%
HSV	312°, 74%, 100%
XYZ	56.0706, 30.4025, 67.9527
YIQ	139.6110, 64.4940, 86.7180

# Conversions

## Conversions Part 2

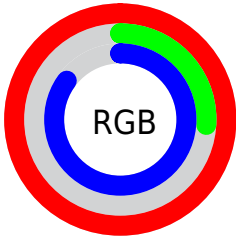
Format	Color
R <sub>Y</sub> B	255, 66, 216
Decimal	16728792
CIE <sub>Lab</sub>	62.00, 83.14, -36.43
CIE <sub>LCh</sub>	62, 90.768, 336.336
Yxy	30.4025, 0.3631, 0.1969
Android (android.graphics.Color)	4294918872 (0xFFFF42D8)
YUV	139.6110, 37.6598, 101.1962
Hunter-Lab	55.1385, 85.0253, -34.4721

# Details

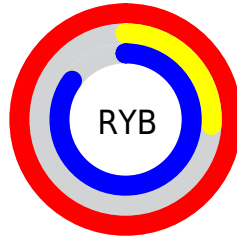
The CIELCh color **62, 90.768, 336.336** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed magenta. A complement of this color would be **89, 94.482, 142.651**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **73, 75.772, 327.001**, and **44, 82.356, 336.423** is the 20% darker color. If you saturate the color by 10%, you get **59, 95.838, 337.015**, and if you desaturate by 10%, it is **65, 82.617, 335.237**.

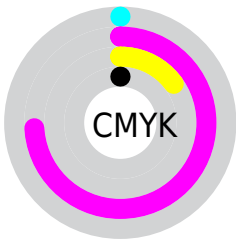
# Distribution



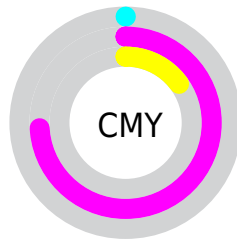
- Red (100%)
- Green (26%)
- Blue (85%)



- Red (100%)
- Yellow (26%)
- Blue (85%)



- Cyan (0%)
- Magenta (74%)
- Yellow (15%)
- Black (0%)




- Cyan (0%)
- Magenta (74%)
- Yellow (15%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 62, 90.768, 336.336 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 62, 90.768, 336.336 by changing the saturation by 10% instead.





 62, 90.768,  
336.336


 62, 90.768,  
336.336


 100, 90.768,  
336.336


 52, 90.768,  
336.336


 82, 90.768,  
336.336

 42, 90.768,  
336.336

 92, 90.768,  
336.336

 32, 90.768,  
336.336

 22, 90.768,  
336.336

 12, 90.768,  
336.336

 2, 90.768, 336.336

 0, 90.768, 336.336

62, 90.768,  
336.336

62, 90.768,  
336.336

59, 95.838,  
337.015

65, 82.617,  
335.237

58, 98.019,  
338.080

69, 72.238,  
334.451

58, 98.208,  
338.793

74, 60.154,  
333.704

79, 46.983,  
332.985

85, 33.236,  
332.291

91, 19.294,  
331.616

97, 5.419, 330.926

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.



62, 90.768, 336.336



89, 94.482, 142.651

# Rectangle

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



62, 90.768, 336.336



62, 90.768, 26.336



62, 90.768, 156.336



62, 90.768, 206.336

# Sweetspot

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



62, 90.651, 336.081



86, 30.537, 332.158



44, 108.006, 305.790



44, 20.522, 332.343



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

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



62, 90.651, 336.081



59, 97.308, 337.535



59, 74.118, 9.607



50, 7.848, 331.320



43, 79.311, 338.571



11, 37.169, 337.074



# Inverse Universe

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



62, 90.651, 336.081



59, 97.308, 337.535



90, 60.542, 166.714



50, 7.848, 331.320



43, 79.311, 338.571



11, 37.169, 337.074



# Previews

## White Background



This preview shows how the CIELCh color 62, 90.768, 336.336 looks on a white background.

## Color Contrast Check

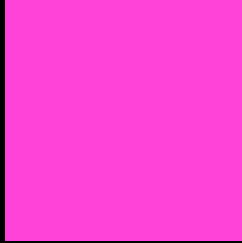
Large Text (above 18pt) WCAG AA × Fail

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 62, 90.768, 336.336 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

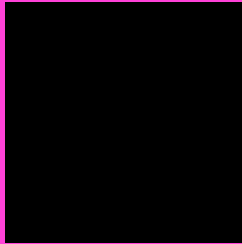
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 62, 90.768, 336.336

## Background



This preview shows how black text looks on a background with the CIELCh color 62, 90.768, 336.336.

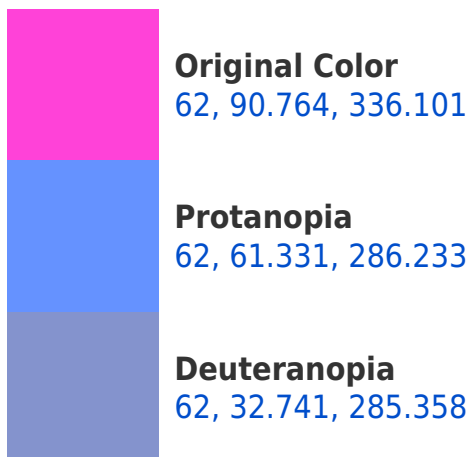


This preview shows how white text looks on a background with the CIELCh color 62, 90.768, 336.336.

# 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**  
62, 60.525, 23.765

# Trichromacy



**Original Color**  
62, 90.764, 336.101



**Protanomaly**  
58, 70.962, 306.421



**Deuteranomaly**  
59, 54.767, 315.953



**Tritanomaly**  
61, 65.586, 1.061

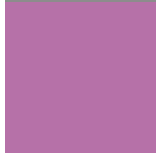
# Monochromacy



**Original Color**  
62, 90.764, 336.101



**Achromatopsia**  
58, 0.007, 296.813



**Achromatomaly**  
57, 39.896, 333.084

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 62, 90.768, 336.336 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, 66, 216)` looks like.

```
.text, #text, p{  
    color:rgb(255, 66, 216)  
}
```

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, 66, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 66, 216) }
```

## Border

The CSS property to change the border of an element to CIELCh 62, 90.768, 336.336 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, 66, 216) }
```

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

```
.border{ border-color:rgb(255, 66, 216) }
```

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

Here you see how a box with a 4 pixel rgb(255, 66, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 66, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 66, 216);  
box-shadow:4px 4px 4px 4px rgb(255, 66,  
216) }
```

# Background

The CSS property to change the background color of an element to CIELCh 62, 90.768, 336.336 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 66, 216) }
```

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

```
.background{ background-color: rgb(255, 66,  
216) }
```

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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