

# Converting Colors

CIELCh(59, 104.486, 333.312)

Have a look what the booklet for  
CIELCh(59, 104.486, 333.312)  
contains.

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**Color**

**CIELCh(59, 104.349, 333.297)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FE11E2
RGB	254, 17, 226
RGB Percent	100%, 7%, 89%
CMY	0.0028, 0.9333, 0.1127
CMYK	0.00, 0.93, 0.11, 0.00
HSL	307°, 99%, 53%
HSV	307°, 93%, 100%
XYZ	54.9364, 27.0277, 74.4555
YIQ	111.6890, 74.1630, 115.2430

# Conversions

## Conversions Part 2

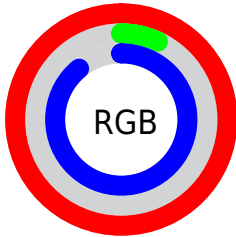
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	254, 17, 226
Decimal	16650722
CIE <sub>Lab</sub>	59.00, 93.22, -46.89
CIE <sub>LCh</sub>	59, 104.349, 333.297
Yxy	27.0277, 0.3512, 0.1728
Android (android.graphics.Color)	4294840802 (0xFFFE11E2)
YUV	111.6890, 56.3553, 124.8067
Hunter-Lab	51.9882, 97.6432, -48.5211

# Details

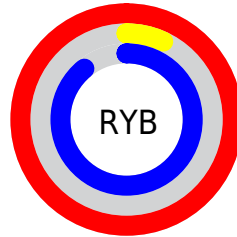
The CIELCh color **59, 104.349, 333.297** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light washed magenta. A complement of this color would be **88, 114.121, 137.602**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 88.081, 327.393**, and **44, 85.314, 333.407** is the 20% darker color. If you saturate the color by 10%, you get **59, 104.932, 333.691**, and if you desaturate by 10%, it is **60, 101.466, 332.729**.

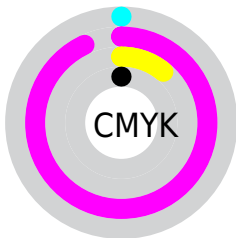
# Distribution



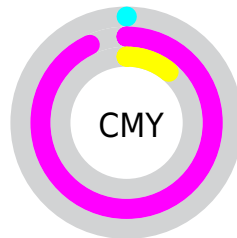
- Red (100%)
- Green (7%)
- Blue (89%)



- Red (100%)
- Yellow (7%)
- Blue (89%)



- Cyan (0%)
- Magenta (93%)
- Yellow (11%)
- Black (0%)




- Cyan (0%)
- Magenta (93%)
- Yellow (11%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 59, 104.349, 333.297 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 59, 104.349, 333.297 by changing the saturation by 10% instead.





 59, 104.349,  
333.297


 59, 104.349,  
333.297


 100, 104.349,  
333.297


 49, 104.349,  
333.297


 79, 104.349,  
333.297


 39, 104.349,  
333.297


 89, 104.349,  
333.297

 29, 104.349,  
333.297

 99, 104.349,  
333.297

 19, 104.349,  
333.297

 9, 104.349,  
333.297

 0, 104.349,  
333.297

■ 59, 104.349,  
333.297

■ 59, 104.349,  
333.297

■ 59, 104.932,  
333.691

■ 60, 101.466,  
332.729

■ 63, 95.572,  
332.170

■ 66, 86.821,  
331.605

■ 70, 75.707,  
331.025

■ 74, 62.859,  
330.429

■ 80, 48.893,  
329.822

■ 85, 34.327,  
329.210

■ 91, 19.551,

328.598

 98, 4.838, 327.952

# Harmonies

# Complementary

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



59, 104.349, 333.297



88, 114.121, 137.602

# Rectangle

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



59, 104.349, 333.297



59, 104.349, 23.297



59, 104.349, 153.297



59, 104.349, 203.297

# Sweetspot

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



59, 104.346, 333.297



83, 41.296, 329.497



34, 129.450, 306.405



42, 28.455, 329.761



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

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



59, 104.346, 333.297



59, 105.157, 333.691



55, 83.361, 10.926



50, 8.351, 328.364



44, 84.834, 333.586



12, 39.463, 332.867



# Inverse Universe

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



59, 104.346, 333.297



59, 105.157, 333.691



89, 75.963, 156.894



50, 8.351, 328.364



44, 84.834, 333.586



12, 39.463, 332.867



# Previews

## White Background



This preview shows how the CIE LCh color 59, 104.349, 333.297 looks on a white background.

## Color Contrast Check

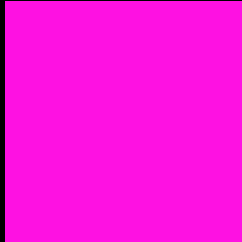
Large Text (above 18pt) WCAG AA ✓ Pass

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 59, 104.349, 333.297 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

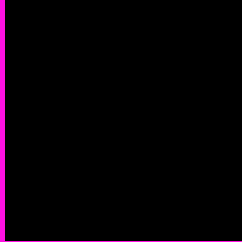
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**CIELCh 59, 104.349, 333.297**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 59, 104.349, 333.297.



This preview shows how white text looks on a background with the CIELCh color 59, 104.349, 333.297.





# 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

59, 104.255, 333.298

### Protanopia

60, 65.765, 286.497

### Deuteranopia

59, 40.687, 281.873



**Tritanopia**  
59, 65.328, 26.164

# Trichromacy



**Original Color**  
59, 104.255, 333.298



**Protanomaly**  
53, 86.132, 307.906



**Deuteranomaly**  
53, 71.359, 313.253



**Tritanomaly**  
57, 73.440, 358.679

# Monochromacy



**Original Color**  
59, 104.255, 333.298



**Achromatopsia**  
47, 0.006, 296.813



**Achromatomaly**  
46, 53.100, 330.810

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 59, 104.349, 333.297 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(254, 17, 226)` looks like.

```
.text, #text, p{  
    color:rgb(254, 17, 226)  
}
```

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(254, 17, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 17, 226) }
```

## Border

The CSS property to change the border of an element to CIELCh 59, 104.349, 333.297 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(254, 17, 226) }
```

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

```
.border{ border-color:rgb(254, 17, 226) }
```

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

Here you see how a box with a 4 pixel rgb(254, 17, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 17, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 17, 226);  
box-shadow:4px 4px 4px 4px rgb(254, 17,  
226) }
```

# Background

The CSS property to change the background color of an element to CIELCh 59, 104.349, 333.297 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 17, 226) }
```

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

```
.background{ background-color: rgb(254, 17,  
226) }
```

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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