

Converting Colors

CIELCh(59, 105.388, 333.547)

Have a look what the booklet for
CIELCh(59, 105.388, 333.547)
contains.

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Color

CIELCh(59, 105.253, 333.467)

Conversions

Conversions Part 1

Format	Color
Hex	FF07E3
RGB	255, 7, 227
RGB Percent	100%, 3%, 89%
CMY	0.0000, 0.9737, 0.1117
CMYK	0.00, 0.97, 0.11, 0.00
HSL	307°, 100%, 51%
HSV	307°, 97%, 100%
XYZ	55.3122, 27.0277, 74.6167
YIQ	106.2320, 77.1880, 120.9960

Conversions

Conversions Part 2

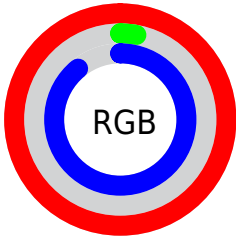
Format	Color
RYB	255, 7, 227
Decimal	16713699
CIELab	59.00, 94.17, -47.02
CIElCh	59, 105.253, 333.467
Yxy	27.0277, 0.3524, 0.1722
Android (android.graphics.Color)	4294903779 (0xFFFF07E3)
YUV	106.2320, 59.5386, 130.4695
Hunter-Lab	51.9882, 98.9334, -48.7049

Details

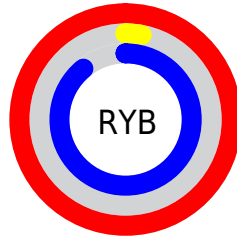
The CIELCh color **59, 105.253, 333.467** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light saturated magenta. A complement of this color would be **88, 116.326, 137.106**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 89.029, 327.423**, and **45, 85.682, 333.379** is the 20% darker color. If you saturate the color by 10%, you get **59, 105.437, 333.516**, and if you desaturate by 10%, it is **60, 103.469, 332.805**.

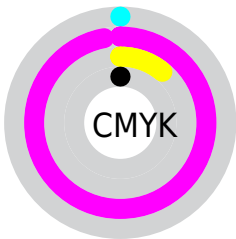
Distribution



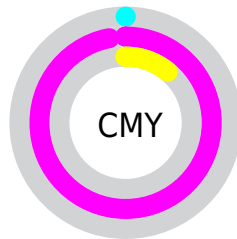
- Red (100%)
- Green (3%)
- Blue (89%)



- Red (100%)
- Yellow (3%)
- Blue (89%)



- Cyan (0%)
- Magenta (97%)
- Yellow (11%)
- Black (0%)





- Cyan (0%)
- Magenta (97%)
- Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 59, 105.253, 333.467 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, 105.253, 333.467 by changing the saturation by 10% instead.


 59, 105.253,
333.467


 59, 105.253,
333.467


 100, 105.253,
333.467


 49, 105.253,
333.467


 79, 105.253,
333.467


 39, 105.253,
333.467


 89, 105.253,
333.467

 29, 105.253,
333.467

 99, 105.253,
333.467

 19, 105.253,
333.467

 9, 105.253,
333.467

 0, 105.253,
333.467

■ 59, 105.253,
333.467

■ 59, 105.253,
333.467

■ 59, 105.437,
333.516

■ 60, 103.469,
332.805

■ 62, 98.776,
332.259

■ 65, 91.103,
331.708

■ 68, 80.830,
331.141


■ 73, 68.555,
330.557

■ 78, 54.914,
329.958

■ 83, 40.472,
329.350

■ 89, 25.675,

328.740

 95, 10.842,
328.125

Harmonies

Complementary

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



59, 105.253, 333.467



88, 116.326, 137.106

Rectangle

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



59, 105.253, 333.467



59, 105.253, 23.467



59, 105.253, 153.467



59, 105.253, 203.467

Sweetspot

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



59, 105.237, 333.366



82, 42.855, 329.449



33, 132.041, 306.442



41, 29.340, 329.709



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, 105.237, 333.366



59, 105.437, 333.516



54, 84.355, 11.463



50, 8.370, 328.259



44, 85.056, 333.414



12, 39.555, 332.720

Inverse Universe

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



59, 105.237, 333.366



59, 105.437, 333.516



89, 79.378, 154.881



50, 8.370, 328.259



44, 85.056, 333.414



12, 39.555, 332.720

Previews

White Background



This preview shows how the CIE LCh color 59, 105.253, 333.467 looks on a white background.

Color Contrast Check

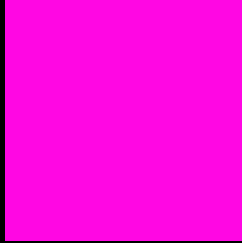
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIE LCh color 59, 105.253, 333.467 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, 105.253, 333.467

Background



This preview shows how black text looks on a background with the CIELCh color 59, 105.253, 333.467.



This preview shows how white text looks on a background with the CIELCh color 59, 105.253,

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, 105.381, 333.266

Protanopia

60, 65.765, 286.497

Deuteranopia

59, 40.687, 281.873



Tritanopia
59, 66.014, 25.915

Trichromacy



Original Color
59, 105.381, 333.266



Protanomaly
52, 88.415, 308.474



Deuteranomaly
53, 73.708, 313.764



Tritanomaly
57, 74.880, 358.451

Monochromacy



Original Color
59, 105.381, 333.266



Achromatopsia
45, 0.006, 296.813



Achromatomaly
44, 54.867, 330.849

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 59, 105.253, 333.467 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, 7, 227)` looks like.

```
.text, #text, p{  
    color:rgb(255, 7, 227)  
}
```

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, 7, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 7, 227) }
```

Border

The CSS property to change the border of an element to CIELCh 59, 105.253, 333.467 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, 7, 227) }
```

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

```
.border{ border-color:rgb(255, 7, 227) }
```

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

Here you see how a box with a 4 pixel rgb(255, 7, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 7, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 7, 227);  
box-shadow:4px 4px 4px 4px rgb(255, 7,  
227) }
```

Background

The CSS property to change the background color of an element to CIELCh 59, 105.253, 333.467 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 7, 227) }
```

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

```
.background{ background-color: rgb(255, 7,  
227) }
```

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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