

Converting Colors

CIELCh(78, 105.934, 5.394)

Have a look what the booklet for
CIELCh(78, 105.934, 5.394) contains.

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Color

CIELCh(59, 84.288, 346.116)

Conversions

Conversions Part 1

Format	Color
Hex	FF35B4
RGB	255, 53, 180
RGB Percent	100%, 21%, 71%
CMY	0.0019, 0.7906, 0.2958
CMYK	0.00, 0.79, 0.29, 0.00
HSL	322°, 100%, 60%
HSV	322°, 79%, 100%
XYZ	50.5498, 27.0277, 45.5099
YIQ	127.8760, 79.6250, 82.3210

Conversions

Conversions Part 2

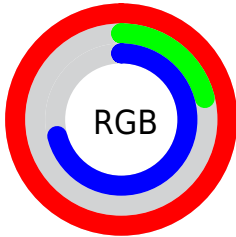
Format	Color
R _Y B	255, 53, 180
Decimal	16725428
CIE Lab	59.00, 81.83, -20.23
CIE LCh	59, 84.288, 346.116
Yxy	27.0277, 0.4107, 0.2196
Android (android.graphics.Color)	4294915508 (0xFFFF35B4)
YUV	127.8760, 25.6971, 111.4877
Hunter-Lab	51.9882, 82.5818, -15.5101

Details

The CIELCh color **59, 84.288, 346.116** is a light color, and the websafe version is hex **FF0099**. The color can be described as light washed rose. A complement of this color would be **89, 87.122, 147.526**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 73.765, 331.837**, and **43, 72.944, 348.177** is the 20% darker color. If you saturate the color by 10%, you get **57, 87.472, 348.266**, and if you desaturate by 10%, it is **62, 78.288, 344.379**.

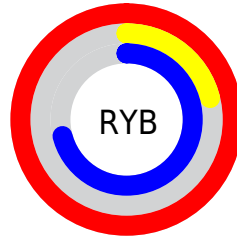
Distribution



Red (100%)

Green (21%)

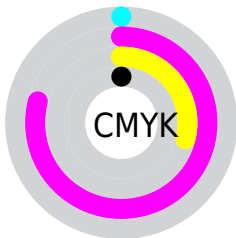
Blue (71%)



Red (100%)

Yellow (21%)

Blue (71%)

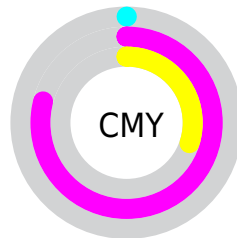


Cyan (0%)

Magenta (79%)

Yellow (29%)

Black (0%)



Cyan (0%)


Magenta (79%)


Yellow (30%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 59, 84.288, 346.116 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, 84.288, 346.116 by changing the saturation by 10% instead.


 59, 84.288,
346.116


 59, 84.288,
346.116


 100, 84.288,
346.116

 49, 84.288,
346.116


 79, 84.288,
346.116

 39, 84.288,
346.116

 89, 84.288,
346.116

 29, 84.288,
346.116

 99, 84.288,
346.116

 19, 84.288,
346.116

 9, 84.288, 346.116

 0, 84.288, 346.116

59, 84.288,
346.116

59, 84.288,
346.116

57, 87.472,
348.266

62, 78.288,
344.379

56, 88.079,
350.916

66, 69.848,
342.942

56, 88.088,
351.189

71, 59.562,
341.720

76, 48.062,
340.652

82, 35.890,
339.696

88, 23.456,
338.823

94, 11.043,
338.007

100, 0.166,

Harmonies

Complementary

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



59, 84.288, 346.116



89, 87.122, 147.526

Rectangle

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



59, 84.288, 346.116



59, 84.288, 36.116



59, 84.288, 166.116



59, 84.288, 216.116

Sweetspot

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



59, 84.284, 346.117



85, 29.700, 339.249



45, 112.451, 309.424



43, 20.418, 339.564



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, 84.284, 346.117



56, 88.185, 349.797



56, 81.751, 25.020



50, 6.971, 338.046



42, 71.279, 350.651



11, 33.609, 347.045

Inverse Universe

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



59, 84.284, 346.117



56, 88.185, 349.797



91, 52.955, 180.787



50, 6.971, 338.046



42, 71.279, 350.651



11, 33.609, 347.045

Previews

White Background



This preview shows how the CIELCh color 59, 84.288, 346.116 looks on a white background.

Color Contrast Check

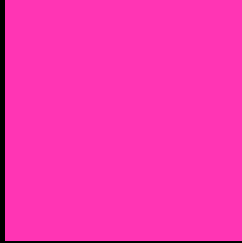
Large Text (above 18pt) WCAG AA ✓ Pass

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, 84.288, 346.116 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

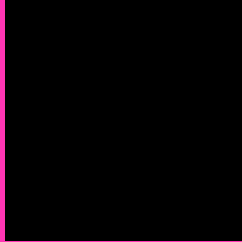
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 59, 84.288, 346.116

Background



This preview shows how black text looks on a background with the CIELCh color 59, 84.288, 346.116.

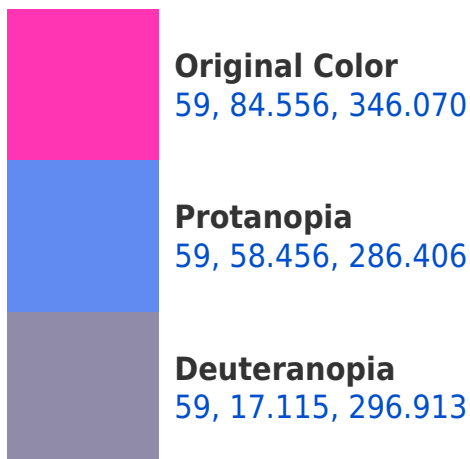


This preview shows how white text looks on a background with the CIELCh color 59, 84.288, 346.116.

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
59, 70.532, 27.389

Trichromacy



Original Color
59, 84.556, 346.070



Protanomaly
55, 64.907, 309.322



Deuteranomaly
56, 45.454, 331.177



Tritanomaly
59, 70.626, 10.317

Monochromacy



Original Color
59, 84.556, 346.070



Achromatopsia
54, 0.007, 296.813



Achromatomaly
52, 37.931, 340.714

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 59, 84.288, 346.116 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, 53, 180)` looks like.

```
.text, #text, p{  
    color:rgb(255, 53, 180)  
}
```

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, 53, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 53, 180) }
```

Border

The CSS property to change the border of an element to CIELCh 59, 84.288, 346.116 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, 53, 180) }
```

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

```
.border{ border-color:rgb(255, 53, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 53, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 53, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 53, 180);  
box-shadow:4px 4px 4px 4px rgb(255, 53,  
180) }
```

Background

The CSS property to change the background color of an element to CIELCh 59, 84.288, 346.116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 53, 180) }
```

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

```
.background{ background-color: rgb(255, 53,  
180) }
```

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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