

Converting Colors

CIELCh(59, 89.872, 342.587)

Have a look what the booklet for
CIELCh(59, 89.872, 342.587)
contains.

CIELCh(59, 89.707, 342.347)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(59, 89.707, 342.347)

Conversions

Conversions Part 1

Format	Color
Hex	FF2CC0
RGB	255, 44, 192
RGB Percent	100%, 17%, 75%
CMY	0.0000, 0.8264, 0.2482
CMYK	0.00, 0.83, 0.25, 0.00
HSL	318°, 100%, 59%
HSV	318°, 83%, 100%
XYZ	51.9313, 27.0277, 52.1832
YIQ	123.9610, 78.2480, 90.7600

Conversions

Conversions Part 2

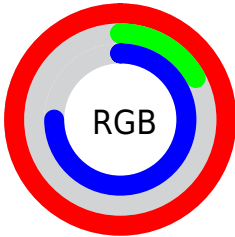
Format	Color
R_{YB}	255, 44, 192
Decimal	16723136
CIE _{Lab}	59.00, 85.48, -27.20
CIE _{LCh}	59, 89.707, 342.347
Yxy	27.0277, 0.3960, 0.2061
Android (android.graphics.Color)	4294913216 (0xFFFF2CC0)
YUV	123.9610, 33.5432, 114.9212
Hunter-Lab	51.9882, 87.3252, -23.1206

Details

The CIELCh color **59, 89.707, 342.347** 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, 95.485, 144.128**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 81.295, 328.571**, and **43, 75.545, 343.853** is the 20% darker color. If you saturate the color by 10%, you get **57, 91.837, 343.885**, and if you desaturate by 10%, it is **61, 84.443, 340.758**.

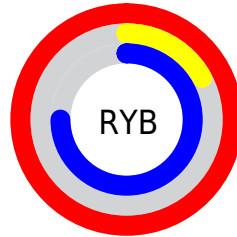
Distribution



Red (100%)

Green (17%)

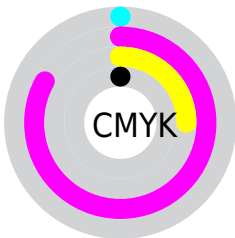
Blue (75%)



Red (100%)

Yellow (17%)

Blue (75%)

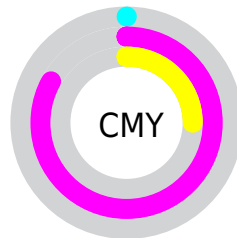


Cyan (0%)

Magenta (83%)

Yellow (25%)

Black (0%)



Cyan (0%)

Magenta (83%)

Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 59, 89.707, 342.347 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, 89.707, 342.347 by changing the saturation by 10% instead.

 59, 89.707,
342.347

 59, 89.707,
342.347

 100, 89.707,
342.347

 49, 89.707,
342.347

 79, 89.707,
342.347

 39, 89.707,
342.347

 89, 89.707,
342.347

 29, 89.707,
342.347

 99, 89.707,
342.347

 19, 89.707,
342.347

 9, 89.707, 342.347

 0, 89.707, 342.347

■ 59, 89.707,
342.347

■ 59, 89.707,
342.347

■ 57, 91.837,
343.885

■ 61, 84.443,
340.758

■ 57, 91.944,
345.350

■ 65, 76.556,
339.558

■ 69, 66.497,
338.511

■ 74, 54.912,
337.572

■ 80, 42.396,
336.711

■ 86, 29.426,
335.910

■ 92, 16.346,
335.154

■ 98, 3.385, 334.359

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.



59, 89.707, 342.347



89, 95.485, 144.128

Rectangle

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



59, 89.707, 342.347



59, 89.707, 32.347



59, 89.707, 162.347



59, 89.707, 212.347

Sweetspot

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



59, 89.612, 342.173



84, 32.514, 336.095



42, 117.557, 308.227



43, 22.182, 336.375



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, 89.612, 342.173



57, 91.945, 345.148



56, 82.409, 21.537



50, 7.338, 334.922



42, 74.300, 344.962



11, 35.008, 342.373

Inverse Universe

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



59, 89.612, 342.173



57, 91.945, 345.148



90, 57.985, 173.585



50, 7.338, 334.922



42, 74.300, 344.962



11, 35.008, 342.373

Previews

White Background



This preview shows how the CIELCh color 59, 89.707, 342.347 looks on a white background.

Color Contrast Check

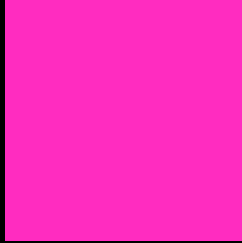
Large Text (above 18pt) WCAG AA ✓ Pass

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, 89.707, 342.347 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, 89.707, 342.347

Background



This preview shows how black text looks on a background with the CIELCh color 59, 89.707, 342.347.



This preview shows how white text looks on a background with the CIELCh color 59, 89.707, 342.347.

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, 89.751, 342.084

Protanopia

59, 66.319, 287.036

Deuteranopia

59, 23.261, 290.256



Tritanopia
59, 70.138, 27.327

Trichromacy



Original Color
59, 89.751, 342.084



Protanomaly
54, 74.038, 307.111



Deuteranomaly
55, 51.260, 324.818



Tritanomaly
58, 71.499, 7.973

Monochromacy



Original Color
59, 89.751, 342.084



Achromatopsia
52, 0.007, 296.813



Achromatomaly
51, 41.853, 337.591

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 59, 89.707, 342.347 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, 44, 192)` looks like.

```
.text, #text, p{  
    color:rgb(255, 44, 192)  
}
```

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, 44, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 44, 192) }
```

Border

The CSS property to change the border of an element to CIELCh 59, 89.707, 342.347 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, 44, 192) }
```

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

```
.border{ border-color:rgb(255, 44, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 44, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 44, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 44, 192);  
box-shadow:4px 4px 4px 4px rgb(255, 44,  
192) }
```

Background

The CSS property to change the background color of an element to CIELCh 59, 89.707, 342.347 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 44, 192) }
```

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

```
.background{ background-color: rgb(255, 44,  
192) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor