

Converting Colors

CIELCh(59, 99.960, 335.594)

Have a look what the booklet for
CIELCh(59, 99.960, 335.594)
contains.

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Color

CIELCh(59, 99.871, 335.685)

Conversions

Conversions Part 1

Format	Color
Hex	FF1BD8
RGB	255, 27, 216
RGB Percent	100%, 11%, 85%
CMY	0.0000, 0.8933, 0.1527
CMYK	0.00, 0.89, 0.15, 0.00
HSL	310°, 100%, 55%
HSV	310°, 89%, 100%
XYZ	54.0673, 27.0277, 67.3795
YIQ	116.7180, 75.2190, 107.1150

Conversions

Conversions Part 2

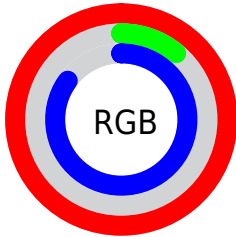
Format	Color
R_{YB}	255, 27, 216
Decimal	16718808
CIE _{Lab}	59.00, 91.01, -41.12
CIE _{LCh}	59, 99.871, 335.685
Yxy	27.0277, 0.3642, 0.1820
Android (android.graphics.Color)	4294908888 (0xFFFF1BD8)
YUV	116.7180, 48.9460, 121.2733
Hunter-Lab	51.9882, 94.6592, -40.4512

Details

The CIELCh color **59, 99.871, 335.685** 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, 109.251, 139.197**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **69, 86.635, 327.348**, and **44, 82.313, 336.174** is the 20% darker color. If you saturate the color by 10%, you get **58, 100.862, 336.569**, and if you desaturate by 10%, it is **61, 96.117, 334.861**.

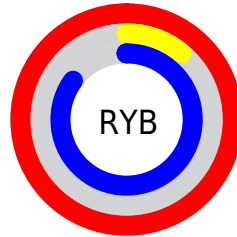
Distribution



Red (100%)

Green (11%)

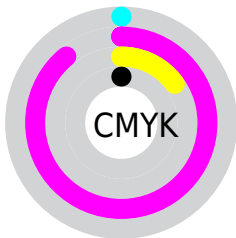
Blue (85%)



Red (100%)

Yellow (11%)

Blue (85%)

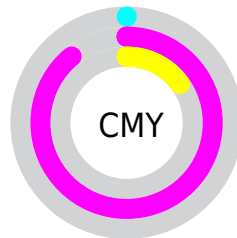


Cyan (0%)

Magenta (89%)

Yellow (15%)

Black (0%)



Cyan (0%)


Magenta (89%)


Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 59, 99.871, 335.685 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, 99.871, 335.685 by changing the saturation by 10% instead.


 59, 99.871,
335.685


 59, 99.871,
335.685

 100, 99.871,
335.685

 49, 99.871,
335.685


 79, 99.871,
335.685

 39, 99.871,
335.685

 89, 99.871,
335.685

 29, 99.871,
335.685

 99, 99.871,
335.685

 19, 99.871,
335.685

 9, 99.871, 335.685

 0, 99.871, 335.685

■ 59, 99.871,
335.685

■ 59, 99.871,
335.685

■ 58, 100.862,
336.569

■ 61, 96.117,
334.861

■ 58, 100.890,
336.631

■ 63, 89.368,
334.115

■ 67, 79.951,
333.406

■ 72, 68.449,
332.717

■ 77, 55.505,
332.041

■ 82, 41.699,
331.376

■ 88, 27.489,
330.722

■ 94, 13.207,

330.077

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, 99.871, 335.685



88, 109.251, 139.197

Rectangle

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



59, 99.871, 335.685



59, 99.871, 25.685



59, 99.871, 155.685



59, 99.871, 205.685

Sweetspot

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



59, 99.864, 335.670



83, 38.407, 331.222



36, 126.127, 306.642



42, 25.853, 331.447



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, 99.864, 335.670



58, 100.890, 336.631



55, 82.842, 13.494



50, 8.047, 330.088



44, 81.445, 336.460



12, 38.063, 335.303

Inverse Universe

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



59, 99.864, 335.670



58, 100.890, 336.631



89, 70.204, 161.211



50, 8.047, 330.088



44, 81.445, 336.460



12, 38.063, 335.303

Previews

White Background



This preview shows how the CIELCh color 59, 99.871, 335.685 looks on a white background.

Color Contrast Check

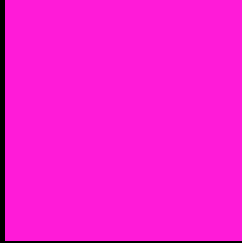
Large Text (above 18pt) WCAG AA ✓ Pass

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, 99.871, 335.685 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

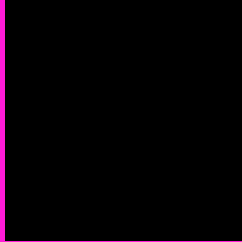
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 59, 99.871, 335.685

Background



This preview shows how black text looks on a background with the CIELCh color 59, 99.871, 335.685.



This preview shows how white text looks on a background with the CIELCh color 59, 99.871, 335.685.

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, 99.871, 335.685

Protanopia

60, 65.765, 286.497

Deuteranopia

59, 35.447, 283.130



Tritanopia
59, 67.071, 26.573

Trichromacy



Original Color
59, 99.871, 335.685



Protanomaly
53, 82.325, 307.647



Deuteranomaly
54, 64.779, 315.691



Tritanomaly
58, 72.597, 1.643

Monochromacy



Original Color
59, 99.871, 335.685



Achromatopsia
49, 0.007, 296.813



Achromatomaly
48, 49.063, 332.567

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 59, 99.871, 335.685 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, 27, 216)` looks like.

```
.text, #text, p{  
    color:rgb(255, 27, 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, 27, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 27, 216) }
```

Border

The CSS property to change the border of an element to CIELCh 59, 99.871, 335.685 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, 27, 216) }
```

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

```
.border{ border-color:rgb(255, 27, 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, 27, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 27, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 27, 216);  
box-shadow:4px 4px 4px 4px rgb(255, 27,  
216) }
```

Background

The CSS property to change the background color of an element to CIELCh 59, 99.871, 335.685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 27, 216) }
```

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

```
.background{ background-color: rgb(255, 27,  
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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