

Converting Colors

CIELCh(59, 110.104, 330.852)

Have a look what the booklet for
CIELCh(59, 110.104, 330.852)
contains.

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Color

CIELCh(59, 109.563, 330.964)

Conversions

Conversions Part 1

Format	Color
Hex	FD00ED
RGB	253, 0, 237
RGB Percent	99%, 0%, 93%
CMY	0.0064, 1.0000, 0.0689
CMYK	0.00, 1.00, 0.06, 0.01
HSL	304°, 100%, 50%
HSV	304°, 100%, 99%
XYZ	55.9607, 27.0277, 82.7125
YIQ	102.6650, 74.7110, 127.3430

Conversions

Conversions Part 2

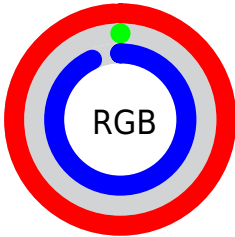
Format	Color
RYB	253, 0, 237
Decimal	16580845
CIELab	59.00, 95.79, -53.18
CIElCh	59, 109.563, 330.964
Yxy	27.0277, 0.3377, 0.1631
Android (android.graphics.Color)	4294770925 (0xFFFD00ED)
YUV	102.6650, 66.2272, 131.8438
Hunter-Lab	51.9882, 101.1601, -57.9378

Details

The CIELCh color **59, 109.563, 330.964** 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 **87, 118.145, 136.381**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 89.498, 327.438**, and **45, 88.876, 330.670** is the 20% darker color. If you saturate the color by 10%, you get **59, 109.362, 330.963**, and if you desaturate by 10%, it is **60, 107.741, 330.652**.

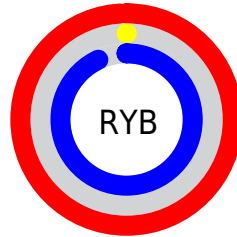
Distribution



Red (99%)

Green (0%)

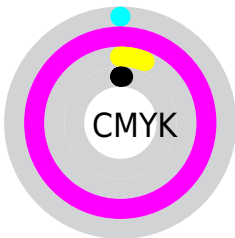
Blue (93%)



Red (99%)

Yellow (0%)

Blue (93%)

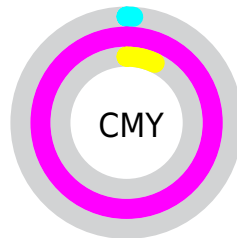


Cyan (0%)

Magenta (100%)

Yellow (6%)

Black (1%)



Cyan (1%)


Magenta (100%)


Yellow (7%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 59, 109.563, 330.964 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, 109.563, 330.964 by changing the saturation by 10% instead.


 59, 109.563,
330.964


 59, 109.563,
330.964


 100, 109.563,
330.964


 49, 109.563,
330.964


 79, 109.563,
330.964


 39, 109.563,
330.964


 89, 109.563,
330.964

 29, 109.563,
330.964

 99, 109.563,
330.964

 19, 109.563,
330.964

 9, 109.563,
330.964

 0, 109.563,
330.964

■ 59, 109.563,
330.964

■ 59, 109.563,
330.964

■ 59, 109.362,
330.963

■ 60, 107.741,
330.652

■ 61, 103.495,
330.308

■ 64, 96.248,
329.916

■ 67, 86.269,
329.472

■ 71, 74.098,
328.979

■ 76, 60.368,
328.447

■ 81, 45.670,
327.887

■ 87, 30.489,

327.312

93, 15.186,
326.726

Harmonies

Complementary

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



59, 109.563, 330.964



87, 118.145, 136.381

Rectangle

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



59, 109.563, 330.964



59, 109.563, 20.964



59, 109.563, 150.964



59, 109.563, 200.964

Sweetspot

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



59, 109.362, 330.963



82, 45.907, 327.888



32, 132.949, 306.388



41, 31.237, 328.127



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, 109.362, 330.963



59, 109.891, 330.964



54, 84.038, 7.850



50, 8.676, 326.697



45, 88.587, 330.914



12, 40.998, 330.571

Inverse Universe

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



59, 109.362, 330.963



59, 109.891, 330.964



88, 84.826, 151.314



50, 8.676, 326.697



45, 88.587, 330.914



12, 40.998, 330.571

Previews

White Background



This preview shows how the CIELCh color 59, 109.563, 330.964 looks on a white background.

Color Contrast Check

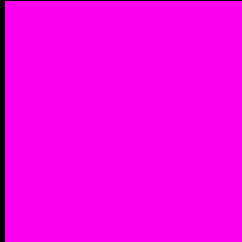
Large Text (above 18pt) WCAG AA ✓ Pass

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, 109.563, 330.964 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, 109.563, 330.964

Background



This preview shows how black text looks on a background with the CIELCh color 59, 109.563, 330.964.



This preview shows how white text looks on a background with the CIELCh color 59, 109.563, 330.964.

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, 109.215, 330.975

Protanopia

60, 65.163, 286.241

Deuteranopia

60, 45.952, 280.795



Tritanopia
59, 62.927, 25.139

Trichromacy



Original Color
59, 109.215, 330.975



Protanomaly
52, 91.562, 308.545



Deuteranomaly
52, 79.766, 311.362

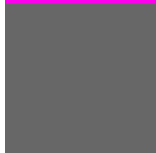


Tritanomaly
57, 75.140, 355.530

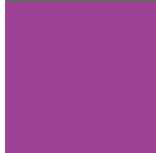
Monochromacy



Original Color
59, 109.215, 330.975



Achromatopsia
44, 0.006, 296.813



Achromatomaly
43, 57.640, 329.376

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 59, 109.563, 330.964 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(253, 0, 237)` looks like.

```
.text, #text, p{  
    color:rgb(253, 0, 237)  
}
```

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(253, 0, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 0, 237) }
```

Border

The CSS property to change the border of an element to CIELCh 59, 109.563, 330.964 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(253, 0, 237) }
```

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

```
.border{ border-color:rgb(253, 0, 237) }
```

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

Here you see how a box with a 4 pixel rgb(253, 0, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 0, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 0, 237);  
box-shadow:4px 4px 4px 4px rgb(253, 0,  
237) }
```

Background

The CSS property to change the background color of an element to CIELCh 59, 109.563, 330.964 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 0, 237) }
```

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

```
.background{ background-color: rgb(253, 0,  
237) }
```

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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