

Converting Colors

CIELCh(59, 106.357, 332.651)

Have a look what the booklet for
CIELCh(59, 106.357, 332.651)
contains.

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Color

CIELCh(59, 106.446, 332.663)

Conversions

Conversions Part 1

Format	Color
Hex	FF05E6
RGB	255, 5, 230
RGB Percent	100%, 2%, 90%
CMY	0.0009, 0.9804, 0.0988
CMYK	0.00, 0.98, 0.10, 0.00
HSL	306°, 100%, 51%
HSV	306°, 98%, 100%
XYZ	55.4677, 27.0277, 77.0089
YIQ	105.4000, 76.7750, 122.9750

Conversions

Conversions Part 2

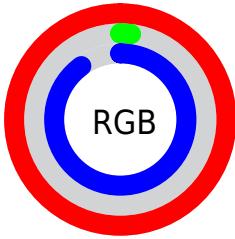
Format	Color
RYB	255, 5, 230
Decimal	16713190
CIELab	59.00, 94.56, -48.88
CIELCh	59, 106.446, 332.663
Yxy	27.0277, 0.3478, 0.1694
Android (android.graphics.Color)	4294903270 (0xFFFF05E6)
YUV	105.4000, 61.4278, 131.1992
Hunter-Lab	51.9882, 99.4672, -51.4331

Details

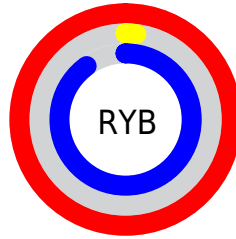
The CIELCh color **59, 106.446, 332.663** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light saturated magenta. A complement of this color would be **88, 117.034, 136.857**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 89.029, 327.423**, and **45, 86.732, 332.599** is the 20% darker color. If you saturate the color by 10%, you get **59, 106.613, 332.759**, and if you desaturate by 10%, it is **60, 104.724, 332.176**.

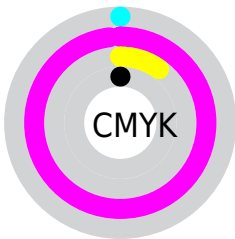
Distribution



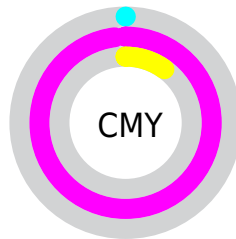
- Red (100%)
- Green (2%)
- Blue (90%)



- Red (100%)
- Yellow (2%)
- Blue (90%)



- Cyan (0%)
- Magenta (98%)
- Yellow (10%)
- Black (0%)





- Cyan (0%)
- Magenta (98%)
- Yellow (10%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 59, 106.446, 332.663 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, 106.446, 332.663 by changing the saturation by 10% instead.


 59, 106.446,
332.663


 59, 106.446,
332.663


 100, 106.446,
332.663


 49, 106.446,
332.663


 79, 106.446,
332.663


 39, 106.446,
332.663


 89, 106.446,
332.663

 29, 106.446,
332.663

 99, 106.446,
332.663

 19, 106.446,
332.663

 9, 106.446,
332.663

 0, 106.446,
332.663

■ 59, 106.446,
332.663

■ 59, 106.446,
332.663

■ 59, 106.613,
332.759

■ 60, 104.724,
332.176

■ 62, 100.135,
331.688

■ 64, 92.554,
331.183

■ 68, 82.334,
330.651

■ 72, 70.060,
330.092

■ 77, 56.369,
329.512

■ 83, 41.835,
328.918

■ 89, 26.913,

328.318

95, 11.934,
327.712

Harmonies

Complementary

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



59, 106.446, 332.663



88, 117.034, 136.857

Rectangle

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



59, 106.446, 332.663



59, 106.446, 22.663



59, 106.446, 152.663



59, 106.446, 202.663

Sweetspot

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



59, 106.443, 332.663



82, 43.289, 328.976



33, 132.262, 306.465



41, 29.637, 329.230



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, 106.443, 332.663



59, 106.682, 332.760



54, 84.457, 11.804



50, 8.457, 327.802



44, 86.043, 332.673



12, 39.960, 332.087

Inverse Universe

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



59, 106.443, 332.663



59, 106.682, 332.760



89, 79.609, 154.729



50, 8.457, 327.802



44, 86.043, 332.673



12, 39.960, 332.087

Previews

White Background



This preview shows how the CIE LCh color 59, 106.446, 332.663 looks on a white background.

Color Contrast Check

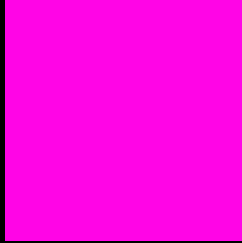
Large Text (above 18pt) WCAG AA ✓ Pass

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, 106.446, 332.663 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

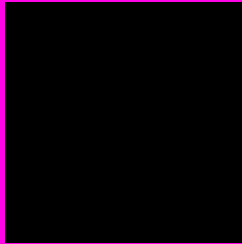
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 59, 106.446, 332.663

Background



This preview shows how black text looks on a background with the CIELCh color 59, 106.446, 332.663.



This preview shows how white text looks on a background with the CIELCh color 59, 106.446, 332.663.

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, 106.513, 332.663

Protanopia

60, 65.740, 286.642

Deuteranopia

59, 42.436, 281.653



Tritanopia
59, 65.144, 25.704

Trichromacy



Original Color
59, 106.513, 332.663



Protanomaly
52, 89.486, 308.560



Deuteranomaly
52, 75.740, 313.053



Tritanomaly
57, 75.101, 357.622

Monochromacy



Original Color
59, 106.513, 332.663



Achromatopsia
44, 0.006, 296.813



Achromatomaly
44, 55.289, 330.477

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 59, 106.446, 332.663 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, 5, 230)` looks like.

```
.text, #text, p{  
    color:rgb(255, 5, 230)  
}
```

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, 5, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 5, 230) }
```

Border

The CSS property to change the border of an element to CIELCh 59, 106.446, 332.663 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, 5, 230) }
```

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

```
.border{ border-color:rgb(255, 5, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 5, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 5, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 5, 230);  
box-shadow:4px 4px 4px 4px rgb(255, 5,  
230) }
```

Background

The CSS property to change the background color of an element to CIELCh 59, 106.446, 332.663 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 5, 230) }
```

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

```
.background{ background-color: rgb(255, 5,  
230) }
```

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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