

Converting Colors

CIELCh(57, 109.316, 329.101)

Have a look what the booklet for
CIELCh(57, 109.316, 329.101)
contains.

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Color

CIELCh(57, 109.266, 329.084)

Conversions

Conversions Part 1

Format	Color
Hex	F200ED
RGB	242, 0, 237
RGB Percent	95%, 0%, 93%
CMY	0.0518, 1.0000, 0.0714
CMYK	0.00, 1.00, 0.02, 0.05
HSL	301°, 100%, 47%
HSV	301°, 100%, 95%
XYZ	51.7935, 24.9227, 82.0522
YIQ	99.3760, 68.1550, 125.0110

Conversions

Conversions Part 2

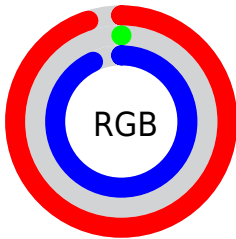
Format	Color
R _Y B	242, 0, 237
Decimal	15859949
CIE Lab	57.00, 93.74, -56.14
CIE LCh	57, 109.266, 329.084
Yxy	24.9227, 0.3262, 0.1570
Android (android.graphics.Color)	4294050029 (0xFFFF200ED)
YUV	99.3760, 67.8486, 125.0812
Hunter-Lab	49.9226, 97.8249, -62.5025

Details

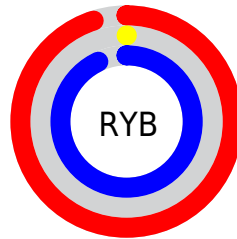
The CIELCh color **57, 109.266, 329.084** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light saturated magenta. A complement of this color would be **84, 114.715, 136.136**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 90.426, 327.467**, and **43, 88.961, 328.452** is the 20% darker color. If you saturate the color by 10%, you get **57, 109.198, 329.083**, and if you desaturate by 10%, it is **58, 107.235, 328.944**.

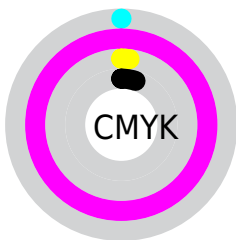
Distribution



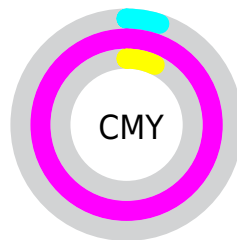
- Red (95%)
- Green (0%)
- Blue (93%)



- Red (95%)
- Yellow (0%)
- Blue (93%)



- Cyan (0%)
- Magenta (100%)
- Yellow (2%)
- Black (5%)





- Cyan (5%)
- Magenta (100%)
- Yellow (7%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 57, 109.266, 329.084 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 57, 109.266, 329.084 by changing the saturation by 10% instead.


 57, 109.266,
329.084


 57, 109.266,
329.084


 100, 109.266,
329.084


 47, 109.266,
329.084


 77, 109.266,
329.084


 37, 109.266,
329.084


 87, 109.266,
329.084

 27, 109.266,
329.084

 97, 109.266,
329.084

 17, 109.266,
329.084

 7, 109.266,
329.084

 0, 109.266,
329.084

■ 57, 109.266,
329.084

■ 57, 109.266,
329.084

■ 57, 109.198,
329.083

■ 58, 107.235,
328.944

■ 59, 102.778,
328.739

■ 61, 95.447,
328.456

■ 65, 85.486,
328.094

■ 69, 73.403,
327.662

■ 73, 59.799,
327.175

■ 78, 45.245,
326.649

■ 84, 30.210,

326.098

■ 89, 15.050,
325.530

Harmonies

Complementary

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



57, 109.266, 329.084



84, 114.715, 136.136

Rectangle

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



57, 109.266, 329.084



57, 109.266, 19.084



57, 109.266, 149.084



57, 109.266, 199.084

Sweetspot

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



57, 109.198, 329.083



82, 47.236, 326.654



30, 128.460, 306.322



41, 32.139, 326.880



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



57, 109.198, 329.083



60, 113.680, 329.085



52, 81.160, 4.431



47, 8.489, 325.500



43, 88.852, 329.068



10, 38.875, 328.949

Inverse Universe

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



57, 109.198, 329.083



60, 113.680, 329.085



84, 84.784, 149.575



47, 8.489, 325.500



43, 88.852, 329.068



10, 38.875, 328.949

Previews

White Background



This preview shows how the CIELCh color 57, 109.266, 329.084 looks on a white background.

Color Contrast Check

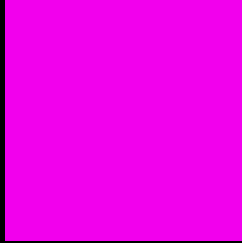
Large Text (above 18pt) WCAG AA ✓ Pass

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 57, 109.266, 329.084 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 57, 109.266, 329.084

Background



This preview shows how black text looks on a background with the CIELCh color 57, 109.266, 329.084.



This preview shows how white text looks on a background with the CIELCh color 57, 109.266, 329.084.

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

57, 109.266, 329.084

Protanopia

58, 68.948, 286.874

Deuteranopia

58, 49.196, 280.504



Tritanopia
57, 57.665, 24.177

Trichromacy



Original Color
57, 109.266, 329.084



Protanomaly
50, 93.531, 307.108



Deuteranomaly
50, 81.453, 309.340



Tritanomaly
55, 72.255, 352.438

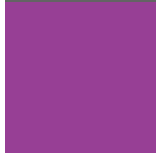
Monochromacy



Original Color
57, 109.266, 329.084



Achromatopsia
42, 0.006, 296.813



Achromatomaly
42, 57.222, 328.011

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 109.266, 329.084 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(242, 0, 237)` looks like.

```
.text, #text, p{  
    color:rgb(242, 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(242, 0, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 0, 237) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 109.266, 329.084 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(242, 0, 237) }
```

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

```
.border{ border-color:rgb(242, 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(242, 0, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 0, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 0, 237);  
box-shadow:4px 4px 4px 4px rgb(242, 0,  
237) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 109.266, 329.084 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 0, 237) }
```

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

```
.background{ background-color: rgb(242, 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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