

Converting Colors

CIELCh(58, 101.020, 336.533)

Have a look what the booklet for
CIELCh(58, 101.020, 336.533)
contains.

CIELCh(58, 101.067, 336.498)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	25
<i>CSS Examples</i>	28

Color

CIELCh(58, 101.067, 336.498)

Conversions

Conversions Part 1

Format	Color
Hex	FF00D4
RGB	255, 0, 212
RGB Percent	100%, 0%, 83%
CMY	0.0006, 1.0000, 0.1692
CMYK	0.00, 1.00, 0.17, 0.00
HSL	310°, 100%, 50%
HSV	310°, 100%, 100%
XYZ	53.0406, 25.9610, 64.4085
YIQ	100.4130, 83.9280, 119.9920

Conversions

Conversions Part 2

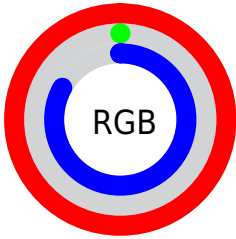
Format	Color
R _Y B	255, 0, 212
Decimal	16711892
CIE _{Lab}	58.00, 92.68, -40.30
CIE _{LCh}	58, 101.067, 336.498
Yxy	25.9610, 0.3699, 0.1810
Android (android.graphics.Color)	4294901972 (0xFFFF00D4)
YUV	100.4130, 55.0124, 135.5728
Hunter-Lab	50.9519, 96.6514, -39.2823

Details

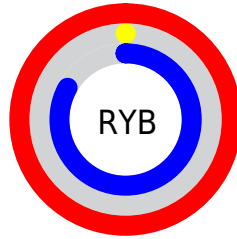
The CIELCh color **58, 101.067, 336.498** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light saturated magenta. A complement of this color would be **88, 115.061, 137.658**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 89.964, 327.453**, and **44, 81.028, 337.380** is the 20% darker color. If you saturate the color by 10%, you get **58, 101.017, 336.500**, and if you desaturate by 10%, it is **59, 100.121, 335.611**.

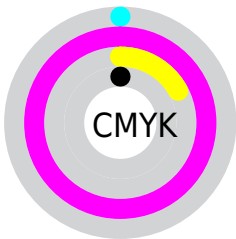
Distribution



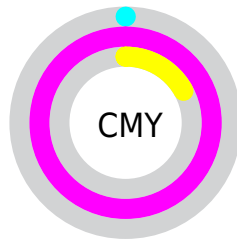
- Red (100%)
- Green (0%)
- Blue (83%)



- Red (100%)
- Yellow (0%)
- Blue (83%)



- Cyan (0%)
- Magenta (100%)
- Yellow (17%)
- Black (0%)



- Cyan (0%)
- Magenta (100%)
- Yellow (17%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 58, 101.067, 336.498 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 58, 101.067, 336.498 by changing the saturation by 10% instead.

 58, 101.067,
336.498


 58, 101.067,
336.498


 100, 101.067,
336.498


 48, 101.067,
336.498


 78, 101.067,
336.498


 38, 101.067,
336.498


 88, 101.067,
336.498

 28, 101.067,
336.498

 98, 101.067,
336.498

 18, 101.067,
336.498

 8, 101.067,
336.498

 0, 101.067,
336.498

■ 58, 101.067,
336.498

■ 58, 101.067,
336.498

■ 58, 101.017,
336.500

■ 59, 100.121,
335.611

■ 61, 96.565,
334.808

■ 63, 89.999,
334.068

■ 67, 80.733,
333.363

■ 71, 69.339,
332.678

■ 76, 56.460,
332.004

■ 82, 42.682,
331.341

■ 87, 28.474,

330.689

94, 14.173,
330.045

Harmonies

Complementary

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



58, 101.067, 336.498



88, 115.061, 137.658

Rectangle

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



58, 101.067, 336.498



58, 101.067, 26.498



58, 101.067, 156.498



58, 101.067, 206.498

Sweetspot

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



58, 101.017, 336.500



82, 42.703, 331.341



33, 132.477, 306.889



41, 29.067, 331.619



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



58, 101.017, 336.500



58, 101.063, 336.501



54, 86.852, 19.270



50, 8.059, 330.013



44, 81.583, 336.332



12, 38.120, 335.195

Inverse Universe

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



58, 101.017, 336.500



58, 101.063, 336.501



89, 74.203, 158.829



50, 8.059, 330.013



44, 81.583, 336.332



12, 38.120, 335.195

Previews

White Background



This preview shows how the CIE LCh color 58, 101.067, 336.498 looks on a white background.

Color Contrast Check

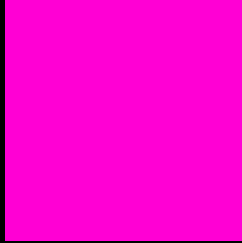
Large Text (above 18pt) WCAG AA ✓ Pass

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 58, 101.067, 336.498 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

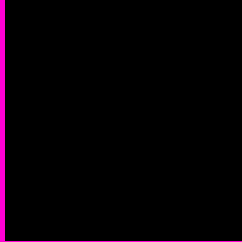
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 58, 101.067, 336.498

Background



This preview shows how black text looks on a background with the CIELCh color 58, 101.067, 336.498.



This preview shows how white text looks on a background with the CIELCh color 58, 101.067,

336.498.

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

58, 101.067, 336.498

Protanopia

59, 67.019, 286.727

Deuteranopia

59, 34.349, 283.617



Tritanopia
58, 69.421, 27.285

Trichromacy



Original Color

58, 101.067, 336.498



Protanomaly

51, 87.649, 308.818



Deuteranomaly

51, 69.895, 317.702



Tritanomaly

56, 75.917, 2.213

Monochromacy



Original Color

58, 101.067, 336.498



Achromatopsia

42, 0.006, 296.813



Achromatomaly

42, 53.989, 332.940

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 101.067, 336.498 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, 0, 212)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 212)  
}
```

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, 0, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 212) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 101.067, 336.498 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, 0, 212) }
```

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

```
.border{ border-color:rgb(255, 0, 212) }
```

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

Here you see how a box with a 4 pixel rgb(255, 0, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 212);  
box-shadow:4px 4px 4px 4px rgb(255, 0,  
212) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 101.067, 336.498 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 0, 212) }
```

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

```
.background{ background-color: rgb(255, 0,  
212) }
```

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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