

Converting Colors

CIELCh(57, 97.446, 339.463)

Have a look what the booklet for
CIELCh(57, 97.446, 339.463)
contains.

CIELCh(57, 96.824, 339.501)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(57, 96.824, 339.501)

Conversions

Conversions Part 1	
Format	Color
Hex	FD00C6
RGB	253, 0, 198
RGB Percent	99%, 0%, 78%
CMY	0.0083, 1.0000, 0.2239
CMYK	0.00, 1.00, 0.22, 0.01
HSL	313°, 100%, 50%
HSV	313°, 100%, 99%
XYZ	50.6422, 24.9227, 55.5069
YIQ	98.2190, 87.2300, 115.2140

Conversions

Conversions Part 2

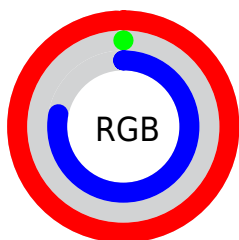
Format	Color
RYB	253, 0, 198
Decimal	16580806
CIELab	57.00, 90.69, -33.91
CIELCh	57, 96.824, 339.501
Yxy	24.9227, 0.3864, 0.1901
Android (android.graphics.Color)	4294770886 (0xFFFD00C6)
YUV	98.2190, 49.1920, 135.7429
Hunter-Lab	49.9226, 93.7085, -30.9763

Details

The CIELCh color **57, 96.824, 339.501** 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 **87, 111.816, 138.612**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 90.426, 327.467**, and **43, 76.987, 341.134** is the 20% darker color. If you saturate the color by 10%, you get **57, 96.788, 339.504**, and if you desaturate by 10%, it is **58, 96.129, 338.270**.

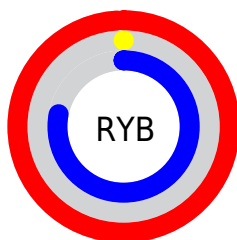
Distribution



Red (99%)

Green (0%)

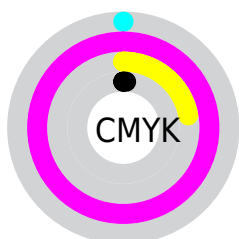
Blue (78%)



Red (99%)

Yellow (0%)

Blue (78%)

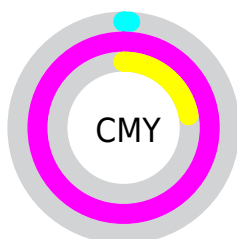


Cyan (0%)

Magenta (100%)

Yellow (22%)

Black (1%)



Cyan (1%)


Magenta (100%)


Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 57, 96.824, 339.501 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, 96.824, 339.501 by changing the saturation by 10% instead.


 57, 96.824,
339.501


 57, 96.824,
339.501


 100, 96.824,
339.501


 47, 96.824,
339.501


 77, 96.824,
339.501

 37, 96.824,
339.501

 87, 96.824,
339.501

 27, 96.824,
339.501

 97, 96.824,
339.501

 17, 96.824,
339.501

 7, 96.824, 339.501

 0, 96.824, 339.501

■ 57, 96.824,
339.501

■ 57, 96.824,
339.501

■ 57, 96.788,
339.504

■ 58, 96.129,
338.270

■ 60, 92.842,
337.197

■ 62, 86.582,
336.255

■ 66, 77.673,
335.402


■ 70, 66.693,
334.607

■ 75, 54.281,
333.853

■ 81, 41.015,
333.130

■ 87, 27.347,

332.433

 93, 13.606,
331.755

Harmonies

Complementary

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



57, 96.824, 339.501



87, 111.816, 138.612

Rectangle

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



57, 96.824, 339.501



57, 96.824, 29.501



57, 96.824, 159.501



57, 96.824, 209.501

Sweetspot

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



57, 96.788, 339.504



82, 41.292, 333.131



34, 130.949, 307.271



41, 28.112, 333.432



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, 96.788, 339.504



57, 97.394, 339.510



53, 88.519, 23.816



50, 7.786, 331.722



43, 78.662, 339.270



11, 36.896, 337.658

Inverse Universe

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



57, 96.788, 339.504



57, 97.394, 339.510



89, 69.209, 162.756



50, 7.786, 331.722



43, 78.662, 339.270



11, 36.896, 337.658

Previews

White Background



This preview shows how the CIELCh color 57, 96.824, 339.501 looks on a white background.

Color Contrast Check

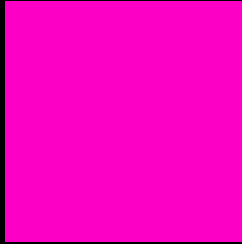
Large Text (above 18pt) WCAG AA ✓ Pass

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 57, 96.824, 339.501 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

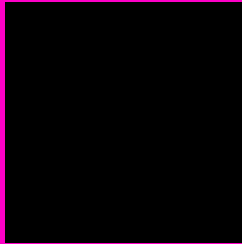
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 57, 96.824, 339.501

Background



This preview shows how black text looks on a background with the CIELCh color 57, 96.824, 339.501.



This preview shows how white text looks on a background with the CIELCh color 57, 96.824, 339.501.

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, 96.824, 339.501

Protanopia

58, 68.904, 287.114

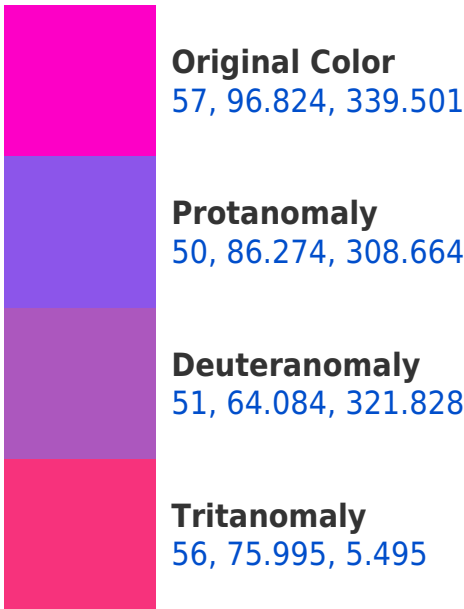
Deuteranopia

58, 28.028, 285.958



Tritanopia
57, 71.970, 28.427

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 96.824, 339.501 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, 198)` looks like.

```
.text, #text, p{  
    color:rgb(253, 0, 198)  
}
```

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, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 0, 198) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 96.824, 339.501 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, 198) }
```

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

```
.border{ border-color:rgb(253, 0, 198) }
```

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, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 0, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 0, 198);  
box-shadow:4px 4px 4px 4px rgb(253, 0,  
198) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 96.824, 339.501 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, 198) }
```

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

```
.background{ background-color: rgb(253, 0,  
198) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor