

Converting Colors

CIELCh(49, 108.664, 324.520)

Have a look what the booklet for
CIELCh(49, 108.664, 324.520)
contains.

CIELCh(50, 106.230, 324.239)	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(50, 106.230, 324.239)

Conversions

Conversions Part 1

Format	Color
Hex	CC03E3
RGB	204, 3, 227
RGB Percent	80%, 1%, 89%
CMY	0.2006, 0.9874, 0.1106
CMYK	0.10, 0.99, 0.00, 0.11
HSL	294°, 97%, 45%
HSV	294°, 99%, 89%
XYZ	38.7294, 18.4187, 74.0421
YIQ	88.6350, 47.8920, 112.2760

Conversions

Conversions Part 2

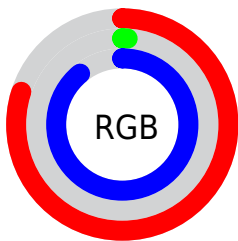
Format	Color
RYB	204, 3, 227
Decimal	13370339
CIELab	50.00, 86.20, -62.08
CIELCh	50, 106.230, 324.239
Yxy	18.4187, 0.2952, 0.1404
Android (android.graphics.Color)	4291560419 (0xFFCC03E3)
YUV	88.6350, 68.2139, 101.1751
Hunter-Lab	42.9170, 85.9786, -72.2477

Details

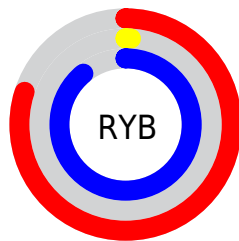
The CIELCh color **50, 106.230, 324.239** is a dark color, and the websafe version is hex **CC33FF**. The color can be described as middle washed magenta. A complement of this color would be **79, 108.657, 135.619**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **67, 93.562, 327.565**, and **36, 86.784, 322.241** is the 20% darker color. If you saturate the color by 10%, you get **50, 106.523, 324.203**, and if you desaturate by 10%, it is **51, 103.533, 324.462**.

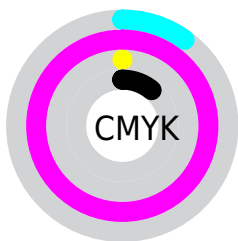
Distribution



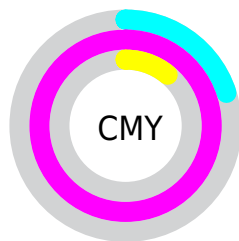
- Red (80%)
- Green (1%)
- Blue (89%)



- Red (80%)
- Yellow (1%)
- Blue (89%)



- Cyan (10%)
- Magenta (99%)
- Yellow (0%)
- Black (11%)





- Cyan (20%)
- Magenta (99%)
- Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 106.230, 324.239 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 50, 106.230, 324.239 by changing the saturation by 10% instead.


 50, 106.230,
324.239


 50, 106.230,
324.239


 100, 106.230,
324.239


 40, 106.230,
324.239


 70, 106.230,
324.239


 30, 106.230,
324.239


 80, 106.230,
324.239


 20, 106.230,
324.239

 90, 106.230,
324.239

 10, 106.230,
324.239


 0, 106.230,
324.239


 50, 106.230,


 50, 106.230,


324.239


324.239


 50, 106.523,
324.203

 51, 103.533,
324.462


 53, 98.199,
324.529


 56, 90.137,
324.437

 60, 79.753,
324.211

 64, 67.628,
323.879

 69, 54.349,
323.472

 74, 40.421,
323.016

 79, 26.227,
322.533

■ 85, 12.042,
322.033

Harmonies

Complementary

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



50, 106.230, 324.239



79, 108.657, 135.619

Rectangle

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



50, 106.230, 324.239



50, 106.230, 14.239



50, 106.230, 144.239



50, 106.230, 194.239

Sweetspot

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



50, 106.228, 324.239



81, 46.645, 323.092



31, 115.314, 304.655



41, 31.783, 323.288



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



50, 106.228, 324.239



56, 116.398, 324.177



50, 80.357, 351.503



44, 7.902, 322.077



39, 88.098, 324.268



7, 35.780, 324.765

Inverse Universe

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



48, 90.387, 35.785



53, 100.042, 36.583



79, 90.847, 143.983



44, 4.762, 11.654



36, 74.810, 35.540



6, 25.343, 16.609

Previews

White Background



This preview shows how the CIELCh color 50, 106.230, 324.239 looks on a white background.

Color Contrast Check

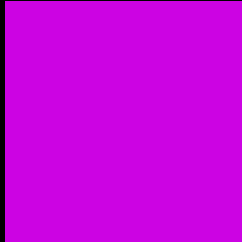
Large Text (above 18pt) WCAG AA ✓ Pass

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 50, 106.230, 324.239 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

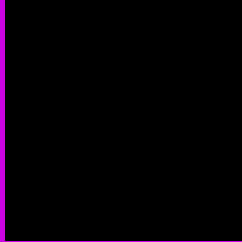
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 106.230, 324.239

Background



This preview shows how black text looks on a background with the CIELCh color 50, 106.230, 324.239.



This preview shows how white text looks on a background with the CIELCh color 50, 106.230, 324.239.

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

50, 106.319, 324.237

Protanopia

51, 75.201, 287.389

Deuteranopia

51, 54.348, 278.320



Tritanopia
50, 43.352, 21.252

Trichromacy



Original Color
50, 106.319, 324.237



Protanomaly
42, 95.851, 301.518



Deuteranomaly
43, 82.220, 302.809



Tritanomaly
48, 63.707, 344.516

Monochromacy



Original Color
50, 106.319, 324.237



Achromatopsia
38, 0.005, 296.813



Achromatomaly
37, 53.603, 324.262

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 106.230, 324.239 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(204, 3, 227)` looks like.

```
.text, #text, p{  
    color:rgb(204, 3, 227)  
}
```

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(204, 3, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 3, 227) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 106.230, 324.239 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(204, 3, 227) }
```

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

```
.border{ border-color:rgb(204, 3, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 3, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 3, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 3, 227);  
box-shadow:4px 4px 4px 4px rgb(204, 3,  
227) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 106.230, 324.239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 3, 227) }
```

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

```
.background{ background-color: rgb(204, 3,  
227) }
```

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