

Converting Colors

CIELCh(50, 106.701, 324.178)

Have a look what the booklet for
CIELCh(50, 106.701, 324.178)
contains.

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Color

CIELCh(50, 106.493, 324.249)

Conversions

Conversions Part 1

Format	Color
Hex	CC01E3
RGB	204, 1, 227
RGB Percent	80%, 0%, 89%
CMY	0.1998, 0.9953, 0.1096
CMYK	0.10, 0.99, 0.00, 0.11
HSL	294°, 99%, 45%
HSV	294°, 99%, 89%
XYZ	38.7998, 18.4187, 74.2173
YIQ	87.4610, 48.4420, 113.3220

Conversions

Conversions Part 2

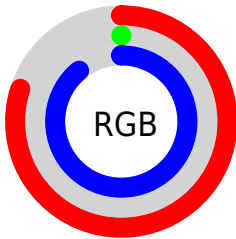
Format	Color
RYB	204, 1, 227
Decimal	13369827
CIELab	50.00, 86.43, -62.22
CIELCh	50, 106.493, 324.249
Yxy	18.4187, 0.2952, 0.1401
Android (android.graphics.Color)	4291559907 (0xFFCC01E3)
YUV	87.4610, 68.7927, 102.2047
Hunter-Lab	42.9170, 86.2712, -72.4897

Details

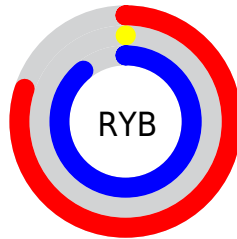
The CIELCh color **50, 106.493, 324.249** is a dark color, and the websafe version is hex **CC33FF**. The color can be described as middle washed magenta. A complement of this color would be **79, 108.979, 135.619**, and the grayscale version is **37, 0.005, 296.813**.

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, 106.602, 324.236**, and if you desaturate by 10%, it is **51, 103.951, 324.479**.

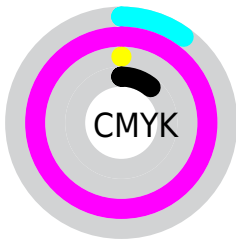
Distribution



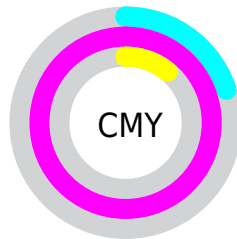
- Red (80%)
- Green (0%)
- Blue (89%)



- Red (80%)
- Yellow (0%)
- Blue (89%)



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





- Cyan (20%)
- Magenta (100%)
- Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 106.493, 324.249 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, 106.493, 324.249 by changing the saturation by 10% instead.


 50, 106.493,
324.249


 50, 106.493,
324.249


 100, 106.493,
324.249


 40, 106.493,
324.249


 70, 106.493,
324.249


 30, 106.493,
324.249


 80, 106.493,
324.249


 20, 106.493,
324.249

 90, 106.493,
324.249

 10, 106.493,
324.249


 0, 106.493,
324.249


 50, 106.493,


 50, 106.493,


324.249


324.249


 50, 106.602,
324.236


 51, 103.951,
324.479

 53, 98.868,
324.558

 56, 91.034,
324.479

 59, 80.830,
324.263

 64, 68.826,
323.939

 68, 55.616,
323.537

 74, 41.715,
323.084

 79, 27.517,
322.602

■ 85, 13.307,
322.103

Harmonies

Complementary

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



50, 106.493, 324.249



79, 108.979, 135.619

Rectangle

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



50, 106.493, 324.249



50, 106.493, 14.249



50, 106.493, 144.249



50, 106.493, 194.249

Sweetspot

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



50, 106.491, 324.249



81, 46.655, 323.118



30, 116.083, 304.790



41, 31.790, 323.314



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, 106.491, 324.249



56, 116.388, 324.211



50, 80.453, 351.757



45, 8.052, 322.103



39, 89.037, 324.296



7, 37.230, 324.861

Inverse Universe

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



48, 91.056, 36.160



53, 100.091, 36.624



79, 91.398, 143.801



45, 4.851, 11.725



37, 75.695, 35.635



6, 26.816, 17.540

Previews

White Background



This preview shows how the CIE LCh color 50, 106.493, 324.249 looks on a white background.

Color Contrast Check

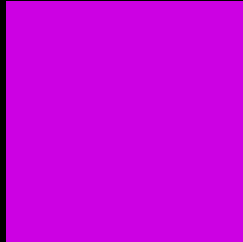
Large Text (above 18pt) WCAG AA ✓ Pass

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, 106.493, 324.249 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

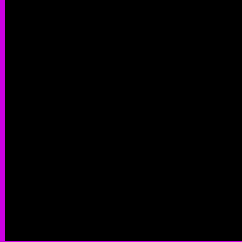
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 106.493, 324.249

Background



This preview shows how black text looks on a background with the CIELCh color 50, 106.493, 324.249.



This preview shows how white text looks on a background with the CIELCh color 50, 106.493, 324.249.

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, 106.493, 324.249

Protanopia

51, 75.201, 287.389

Deuteranopia

51, 54.348, 278.320



Tritanopia
50, 43.352, 21.252

Trichromacy



Original Color
50, 106.493, 324.249



Protanomaly
42, 96.438, 301.700



Deuteranomaly
43, 82.826, 303.012



Tritanomaly
47, 64.107, 344.433

Monochromacy



Original Color
50, 106.493, 324.249



Achromatopsia
37, 0.005, 296.813



Achromatomaly
37, 54.662, 324.004

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 106.493, 324.249 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, 1, 227)` looks like.

```
.text, #text, p{  
    color:rgb(204, 1, 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, 1, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 1, 227) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 106.493, 324.249 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, 1, 227) }
```

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

```
.border{ border-color:rgb(204, 1, 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, 1, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 1, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 1, 227);  
box-shadow:4px 4px 4px 4px rgb(204, 1,  
227) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 106.493, 324.249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 1, 227) }
```

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

```
.background{ background-color: rgb(204, 1,  
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](#).

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