

Converting Colors

CIELCh(50, 105.592, 324.506)

Have a look what the booklet for
CIELCh(50, 105.592, 324.506)
contains.

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Color

CIELCh(50, 105.440, 324.540)

Conversions

Conversions Part 1

Format	Color
Hex	CC05E1
RGB	204, 5, 225
RGB Percent	80%, 2%, 88%
CMY	0.1992, 0.9811, 0.1169
CMYK	0.09, 0.98, 0.00, 0.12
HSL	294°, 96%, 45%
HSV	294°, 98%, 88%
XYZ	38.6297, 18.4187, 72.8962
YIQ	89.5810, 47.9840, 110.6080

Conversions

Conversions Part 2

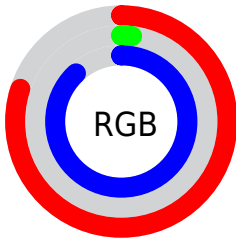
Format	Color
R_{YB}	204, 5, 225
Decimal	13370849
CIE _{Lab}	50.00, 85.88, -61.17
CIE _{LCh}	50, 105.440, 324.540
Yxy	18.4187, 0.2973, 0.1417
Android (android.graphics.Color)	4291560929 (0xFFCC05E1)
YUV	89.5810, 66.7616, 100.3455
Hunter-Lab	42.9170, 85.5637, -70.6646

Details

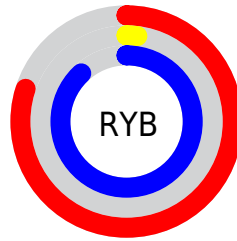
The CIELCh color **50, 105.440, 324.540** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed magenta. A complement of this color would be **79, 107.958, 135.668**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **67, 93.562, 327.565**, and **36, 85.927, 322.608** is the 20% darker color. If you saturate the color by 10%, you get **50, 105.880, 324.490**, and if you desaturate by 10%, it is **51, 102.636, 324.735**.

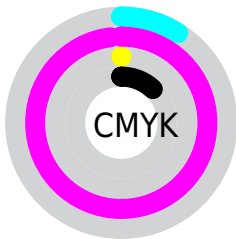
Distribution



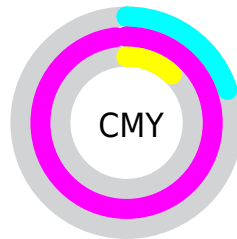
- Red (80%)
- Green (2%)
- Blue (88%)



- Red (80%)
- Yellow (2%)
- Blue (88%)



- Cyan (9%)
- Magenta (98%)
- Yellow (0%)
- Black (12%)





- Cyan (20%)
- Magenta (98%)
- Yellow (12%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 105.440, 324.540 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, 105.440, 324.540 by changing the saturation by 10% instead.


 50, 105.440,
324.540


 50, 105.440,
324.540


 100, 105.440,
324.540


 40, 105.440,
324.540


 70, 105.440,
324.540


 30, 105.440,
324.540

 80, 105.440,
324.540


 20, 105.440,
324.540

 90, 105.440,
324.540

 10, 105.440,
324.540


 0, 105.440,
324.540


 50, 105.440,

 50, 105.440,

324.540


324.540


 50, 105.880,
324.490


 51, 102.636,
324.735


 53, 97.159,
324.774


 56, 88.990,
324.662

 60, 78.545,
324.421

 64, 66.399,
324.078

 69, 53.134,
323.663

 74, 39.241,
323.201

 79, 25.100,
322.713

■ 85, 10.975,
322.208

Harmonies

Complementary

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



50, 105.440, 324.540



79, 107.958, 135.668

Rectangle

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



50, 105.440, 324.540



50, 105.440, 14.540



50, 105.440, 144.540



50, 105.440, 194.540

Sweetspot

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



50, 105.438, 324.540



82, 45.181, 323.265



30, 115.441, 304.865



41, 30.967, 323.466



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, 105.438, 324.540



56, 116.313, 324.465



49, 79.289, 352.693



44, 7.920, 322.290



39, 88.036, 324.549



7, 35.800, 325.020

Inverse Universe

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



47, 89.837, 35.875



53, 100.464, 36.929



79, 88.665, 144.797



44, 4.757, 12.249



36, 75.145, 35.925



6, 25.353, 16.925

Previews

White Background



This preview shows how the CIELCh color 50, 105.440, 324.540 looks on a white background.

Color Contrast Check

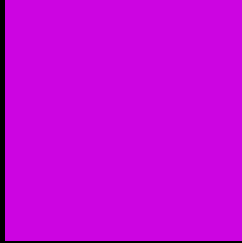
Large Text (above 18pt) WCAG AA ✓ Pass

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, 105.440, 324.540 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

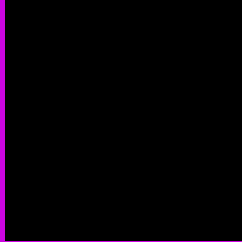
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 105.440, 324.540

Background



This preview shows how black text looks on a background with the CIELCh color 50, 105.440, 324.540.



This preview shows how white text looks on a background with the CIELCh color 50, 105.440, 324.540.

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, 105.353, 324.534

Protanopia

51, 75.201, 287.389

Deuteranopia

51, 53.711, 278.485



Tritanopia
50, 43.844, 21.420

Trichromacy



Original Color
50, 105.353, 324.534



Protanomaly
42, 95.260, 301.334



Deuteranomaly
43, 81.589, 303.413



Tritanomaly
48, 63.442, 344.958

Monochromacy



Original Color
50, 105.353, 324.534



Achromatopsia
38, 0.005, 296.813



Achromatomaly
38, 53.114, 324.589

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 105.440, 324.540 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, 5, 225)` looks like.

```
.text, #text, p{  
    color:rgb(204, 5, 225)  
}
```

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, 5, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 5, 225) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 105.440, 324.540 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, 5, 225) }
```

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

```
.border{ border-color:rgb(204, 5, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 5, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 5, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 5, 225);  
box-shadow:4px 4px 4px 4px rgb(204, 5,  
225) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 105.440, 324.540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 5, 225) }
```

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

```
.background{ background-color: rgb(204, 5,  
225) }
```

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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