

Converting Colors

CIELCh(50, 104.511, 325.236)

Have a look what the booklet for
CIELCh(50, 104.511, 325.236)
contains.

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Color

CIELCh(50, 104.356, 325.376)

Conversions

Conversions Part 1

Format	Color
Hex	CE02DE
RGB	206, 2, 222
RGB Percent	81%, 1%, 87%
CMY	0.1924, 0.9932, 0.1297
CMYK	0.07, 0.99, 0.00, 0.13
HSL	296°, 98%, 44%
HSV	296°, 99%, 87%
XYZ	38.6270, 18.4187, 70.5770
YIQ	88.0760, 50.9640, 111.6680

Conversions

Conversions Part 2

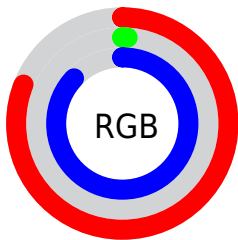
Format	Color
R_{YB}	206, 2, 222
Decimal	13501150
CIE _{Lab}	50.00, 85.87, -59.29
CIE _{LCh}	50, 104.356, 325.376
Yxy	18.4187, 0.3027, 0.1443
Android (android.graphics.Color)	4291691230 (0xFFCE02DE)
YUV	88.0760, 66.0245, 103.4193
Hunter-Lab	42.9170, 85.5524, -67.4606

Details

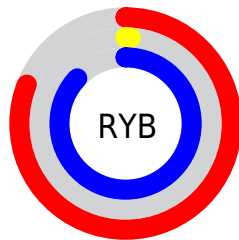
The CIELCh color **50, 104.356, 325.376** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed magenta. A complement of this color would be **77, 107.283, 135.776**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **67, 93.562, 327.565**, and **36, 84.535, 323.622** is the 20% darker color. If you saturate the color by 10%, you get **50, 104.511, 325.363**, and if you desaturate by 10%, it is **51, 101.888, 325.521**.

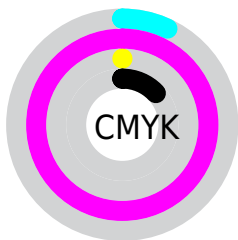
Distribution



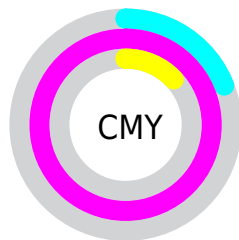
- Red (81%)
- Green (1%)
- Blue (87%)



- Red (81%)
- Yellow (1%)
- Blue (87%)



- Cyan (7%)
- Magenta (99%)
- Yellow (0%)
- Black (13%)





- Cyan (19%)
- Magenta (99%)
- Yellow (13%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 104.356, 325.376 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, 104.356, 325.376 by changing the saturation by 10% instead.


 50, 104.356,
325.376


 50, 104.356,
325.376


 100, 104.356,
325.376


 40, 104.356,
325.376


 70, 104.356,
325.376


 30, 104.356,
325.376


 80, 104.356,
325.376


 20, 104.356,
325.376

 90, 104.356,
325.376


 10, 104.356,
325.376

 0, 104.356,
325.376


 50, 104.356,


 50, 104.356,


325.376


 50, 104.511,
325.363


325.376


 51, 101.888,
325.521


 53, 96.944,
325.535


 55, 89.317,
325.410

 59, 79.352,
325.162

 63, 67.589,
324.816

 67, 54.602,
324.396

 72, 40.899,
323.929

 78, 26.876,
323.432

■ 83, 12.820,
322.918

Harmonies

Complementary

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



50, 104.356, 325.376



77, 107.283, 135.776

Rectangle

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



50, 104.356, 325.376



50, 104.356, 15.376



50, 104.356, 145.376



50, 104.356, 195.376

Sweetspot

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



50, 104.354, 325.376



82, 46.998, 323.978



29, 116.203, 305.313



41, 32.009, 324.180



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, 104.354, 325.376



57, 116.079, 325.341



48, 77.938, 354.536



44, 7.974, 322.931



39, 87.865, 325.406



7, 35.851, 325.787

Inverse Universe

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



46, 90.760, 37.360



53, 101.647, 37.867



78, 87.061, 145.209



44, 4.742, 14.059



36, 76.112, 36.990



6, 25.387, 17.880

Previews

White Background



This preview shows how the CIELCh color 50, 104.356, 325.376 looks on a white background.

Color Contrast Check

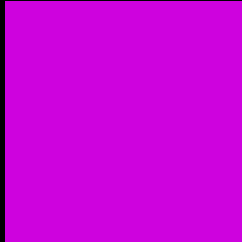
Large Text (above 18pt) WCAG AA ✓ Pass

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, 104.356, 325.376 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

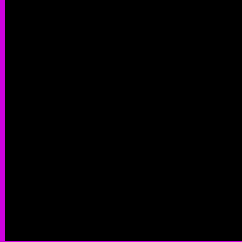
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 104.356, 325.376

Background



This preview shows how black text looks on a background with the CIELCh color 50, 104.356, 325.376.



This preview shows how white text looks on a background with the CIELCh color 50, 104.356, 325.376.

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, 104.356, 325.376

Protanopia

51, 75.737, 287.570

Deuteranopia

51, 51.862, 278.723



Tritanopia
50, 45.609, 21.902

Trichromacy



Original Color
50, 104.356, 325.376



Protanomaly
42, 95.886, 301.756



Deuteranomaly
43, 80.432, 304.765



Tritanomaly
48, 64.095, 346.272

Monochromacy



Original Color
50, 104.356, 325.376



Achromatopsia
37, 0.005, 296.813



Achromatomaly
37, 53.242, 324.999

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 104.356, 325.376 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(206, 2, 222)` looks like.

```
.text, #text, p{  
    color:rgb(206, 2, 222)  
}
```

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(206, 2, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 2, 222) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 104.356, 325.376 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(206, 2, 222) }
```

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

```
.border{ border-color:rgb(206, 2, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 2, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 2, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 2, 222);  
box-shadow:4px 4px 4px 4px rgb(206, 2,  
222) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 104.356, 325.376 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 2, 222) }
```

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

```
.background{ background-color: rgb(206, 2,  
222) }
```

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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