

Converting Colors

CIELCh(50, 102.217, 326.542)

Have a look what the booklet for
CIELCh(50, 102.217, 326.542)
contains.

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Color

CIELCh(50, 102.266, 326.573)

Conversions

Conversions Part 1

Format	Color
Hex	D002D9
RGB	208, 2, 217
RGB Percent	82%, 1%, 85%
CMY	0.1852, 0.9917, 0.1499
CMYK	0.04, 0.99, 0.00, 0.15
HSL	297°, 98%, 43%
HSV	297°, 99%, 85%
XYZ	38.4631, 18.4187, 67.0199
YIQ	88.1040, 53.7610, 110.5370

Conversions

Conversions Part 2

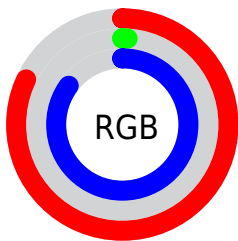
Format	Color
R_{YB}	208, 2, 217
Decimal	13632217
CIE Lab	50.00, 85.35, -56.34
CIE LCh	50, 102.266, 326.573
Yxy	18.4187, 0.3104, 0.1487
Android (android.graphics.Color)	4291822297 (0xFFD002D9)
YUV	88.1040, 63.5457, 105.1488
Hunter-Lab	42.9170, 84.8710, -62.5464

Details

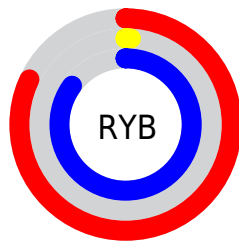
The CIELCh color **50, 102.266, 326.573** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed magenta. A complement of this color would be **76, 105.535, 135.906**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **67, 93.562, 327.565**, and **36, 82.339, 325.119** is the 20% darker color. If you saturate the color by 10%, you get **50, 102.451, 326.566**, and if you desaturate by 10%, it is **51, 99.877, 326.625**.

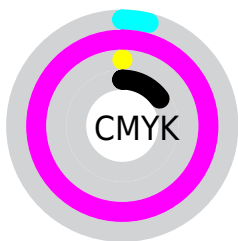
Distribution



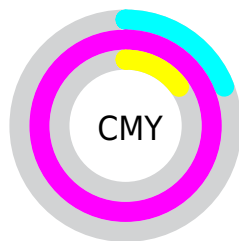
- Red (82%)
- Green (1%)
- Blue (85%)



- Red (82%)
- Yellow (1%)
- Blue (85%)



- Cyan (4%)
- Magenta (99%)
- Yellow (0%)
- Black (15%)





- Cyan (19%)
- Magenta (99%)
- Yellow (15%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 102.266, 326.573 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, 102.266, 326.573 by changing the saturation by 10% instead.


 50, 102.266,
326.573


 50, 102.266,
326.573


 100, 102.266,
326.573


 40, 102.266,
326.573


 70, 102.266,
326.573


 30, 102.266,
326.573


 80, 102.266,
326.573


 20, 102.266,
326.573

 90, 102.266,
326.573

 10, 102.266,
326.573

 0, 102.266,
326.573

 50, 102.266,

 50, 102.266,

326.573

326.573

■ 50, 102.451,
326.566

■ 51, 99.877,
326.625

■ 52, 95.086,
326.568

■ 55, 87.679,
326.392

■ 58, 77.966,
326.109

■ 62, 66.452,
325.736

■ 66, 53.693,
325.297

■ 71, 40.189,
324.811

■ 76, 26.339,
324.297

■ 82, 12.436,
323.766

Harmonies

Complementary

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



50, 102.266, 326.573



76, 105.535, 135.906

Rectangle

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



50, 102.266, 326.573



50, 102.266, 16.573



50, 102.266, 146.573



50, 102.266, 196.573

Sweetspot

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



50, 102.264, 326.573



82, 47.369, 324.873



28, 115.810, 305.719



41, 32.247, 325.083



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, 102.264, 326.573



59, 115.817, 326.551



47, 75.673, 357.425



43, 7.898, 323.788



40, 86.730, 326.591



7, 34.410, 326.735

Inverse Universe

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



45, 90.321, 38.409



53, 102.975, 38.865



76, 82.766, 146.719



43, 4.641, 16.533



36, 76.450, 38.200



5, 23.779, 18.460

Previews

White Background



This preview shows how the CIELCh color 50, 102.266, 326.573 looks on a white background.

Color Contrast Check

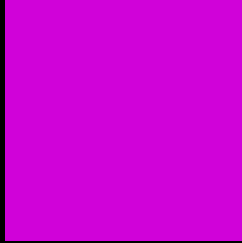
Large Text (above 18pt) WCAG AA ✓ Pass

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, 102.266, 326.573 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

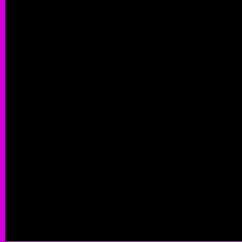
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 102.266, 326.573

Background



This preview shows how black text looks on a background with the CIELCh color 50, 102.266, 326.573.

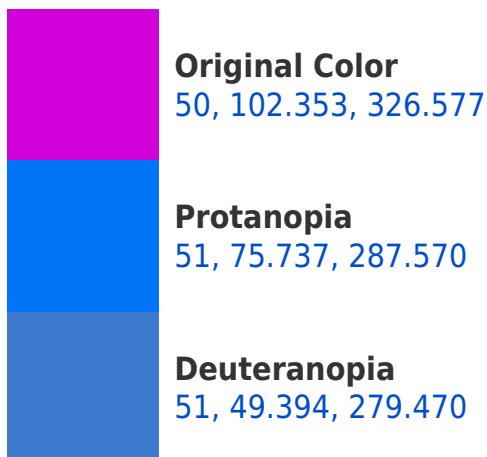


This preview shows how white text looks on a background with the CIELCh color 50, 102.266, 326.573.

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





Tritanopia
50, 47.438, 22.439

Trichromacy



Original Color

50, 102.353, 326.577



Protanomaly

42, 94.220, 301.600



Deuteranomaly

44, 77.634, 306.136



Tritanomaly

48, 64.151, 348.127

Monochromacy



Original Color

50, 102.353, 326.577



Achromatopsia

37, 0.005, 296.813



Achromatomaly

37, 52.415, 326.103

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 102.266, 326.573 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(208, 2, 217)` looks like.

```
.text, #text, p{  
    color:rgb(208, 2, 217)  
}
```

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(208, 2, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 2, 217) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 102.266, 326.573 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(208, 2, 217) }
```

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

```
.border{ border-color:rgb(208, 2, 217) }
```

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

Here you see how a box with a 4 pixel rgb(208, 2, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 2, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 2, 217);  
box-shadow:4px 4px 4px 4px rgb(208, 2,  
217) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 102.266, 326.573 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 2, 217) }
```

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

```
.background{ background-color: rgb(208, 2,  
217) }
```

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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