

Converting Colors

CIELCh(50, 103.441, 326.259)

Have a look what the booklet for
CIELCh(50, 103.441, 326.259)
contains.

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Color

CIELCh(50, 103.297, 326.241)

Conversions

Conversions Part 1

Format	Color
Hex	D000DB
RGB	208, 0, 219
RGB Percent	82%, 0%, 86%
CMY	0.1858, 1.0000, 0.1426
CMYK	0.05, 1.00, 0.00, 0.14
HSL	297°, 100%, 43%
HSV	297°, 100%, 86%
XYZ	38.6285, 18.4187, 68.2882
YIQ	87.1580, 53.6690, 112.2050

Conversions

Conversions Part 2

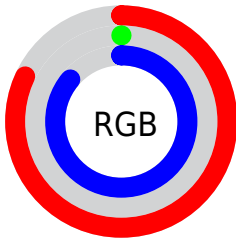
Format	Color
R_{YB}	208, 0, 219
Decimal	13631707
CIE Lab	50.00, 85.88, -57.40
CIE LCh	50, 103.297, 326.241
Yxy	18.4187, 0.3082, 0.1470
Android (android.graphics.Color)	4291821787 (0xFFD000DB)
YUV	87.1580, 64.9981, 105.9784
Hunter-Lab	42.9170, 85.5588, -64.2987

Details

The CIELCh color **50, 103.297, 326.241** 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, 106.393, 135.846**, 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, 83.173, 324.690** is the 20% darker color. If you saturate the color by 10%, you get **50, 103.170, 326.235**, and if you desaturate by 10%, it is **51, 100.895, 326.319**.

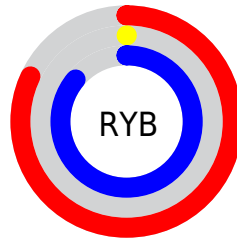
Distribution



Red (82%)

Green (0%)

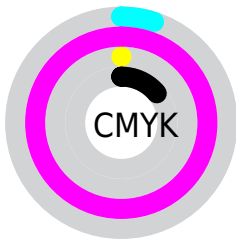
Blue (86%)



Red (82%)

Yellow (0%)

Blue (86%)

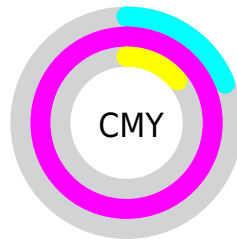


Cyan (5%)

Magenta (100%)

Yellow (0%)

Black (14%)



Cyan (19%)


Magenta (100%)


Yellow (14%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 103.297, 326.241 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, 103.297, 326.241 by changing the saturation by 10% instead.


 50, 103.297,
326.241


 50, 103.297,
326.241


 100, 103.297,
326.241


 40, 103.297,
326.241


 70, 103.297,
326.241


 30, 103.297,
326.241


 80, 103.297,
326.241


 20, 103.297,
326.241

 90, 103.297,
326.241

 10, 103.297,
326.241


 0, 103.297,
326.241


 50, 103.297,


 50, 103.297,


326.241


326.241


 50, 103.170,
326.235


 51, 100.895,
326.319


 52, 96.306,
326.294


 55, 89.065,
326.143

 58, 79.462,
325.879

 62, 68.005,
325.522

 66, 55.256,
325.093

 71, 41.724,
324.616

 76, 27.821,
324.109

■ 82, 13.847,
323.585

Harmonies

Complementary

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



50, 103.297, 326.241



76, 106.393, 135.846

Rectangle

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



50, 103.297, 326.241



50, 103.297, 16.241



50, 103.297, 146.241



50, 103.297, 196.241

Sweetspot

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



50, 103.170, 326.235



82, 47.266, 324.629



28, 116.256, 305.612



41, 32.181, 324.836



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, 103.170, 326.235



58, 115.882, 326.217



48, 76.647, 356.259



43, 7.877, 323.554



40, 86.778, 326.265



7, 34.376, 326.444

Inverse Universe

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



46, 91.084, 38.367



53, 102.648, 38.624



77, 85.137, 145.769



43, 4.643, 15.853



36, 76.118, 37.860



5, 23.769, 18.096

Previews

White Background



This preview shows how the CIE LCh color 50, 103.297, 326.241 looks on a white background.

Color Contrast Check

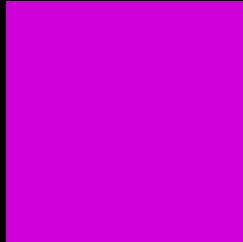
Large Text (above 18pt) WCAG AA ✓ Pass

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, 103.297, 326.241 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

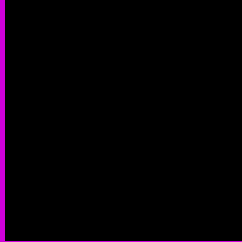
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 103.297, 326.241

Background



This preview shows how black text looks on a background with the CIELCh color 50, 103.297, 326.241.

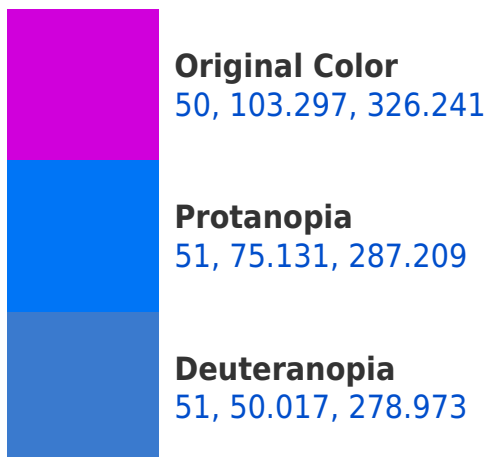


This preview shows how white text looks on a background with the CIELCh color 50, 103.297, 326.241.

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, 46.947, 22.272

Trichromacy



Original Color
50, 103.297, 326.241



Protanomaly
42, 95.363, 301.724



Deuteranomaly
44, 78.734, 305.705



Tritanomaly
48, 64.382, 347.671

Monochromacy



Original Color
50, 103.297, 326.241



Achromatopsia
37, 0.005, 296.813



Achromatomaly
37, 53.452, 325.797

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 103.297, 326.241 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, 0, 219)` looks like.

```
.text, #text, p{  
    color:rgb(208, 0, 219)  
}
```

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, 0, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 0, 219) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 103.297, 326.241 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, 0, 219) }
```

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

```
.border{ border-color:rgb(208, 0, 219) }
```

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

Here you see how a box with a 4 pixel rgb(208, 0, 219) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 0, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 0, 219);  
box-shadow:4px 4px 4px 4px rgb(208, 0,  
219) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 103.297, 326.241 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 0, 219) }
```

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

```
.background{ background-color: rgb(208, 0,  
219) }
```

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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