

Converting Colors

CIELCh(49, 113.615, 320.027)

Have a look what the booklet for
CIELCh(49, 113.615, 320.027)
contains.

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Color

CIELCh(49, 113.581, 320.062)

Conversions

Conversions Part 1

Format	Color
Hex	BF03F3
RGB	191, 3, 243
RGB Percent	75%, 1%, 95%
CMY	0.2512, 0.9892, 0.0473
CMYK	0.21, 0.99, 0.00, 0.05
HSL	287°, 98%, 48%
HSV	287°, 99%, 95%
XYZ	37.6658, 17.5941, 86.1524
YIQ	86.5720, 35.0080, 114.4960

Conversions

Conversions Part 2

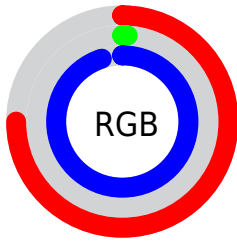
Format	Color
R_{YB}	191, 3, 243
Decimal	12518387
CIE _{Lab}	49.00, 87.09, -72.91
CIE _{LCh}	49, 113.581, 320.062
Yxy	17.5941, 0.2664, 0.1244
Android (android.graphics.Color)	4290708467 (0xFFBF03F3)
YUV	86.5720, 77.1190, 91.5834
Hunter-Lab	41.9453, 86.8843, -92.4154

Details

The CIELCh color **49, 113.581, 320.062** is a dark color, and the websafe version is hex **CC00FF**. The color can be described as middle saturated purple. A complement of this color would be **84, 112.956, 134.569**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **66, 93.805, 326.991**, and **35, 94.399, 317.496** is the 20% darker color. If you saturate the color by 10%, you get **49, 113.871, 320.001**, and if you desaturate by 10%, it is **51, 110.347, 320.556**.

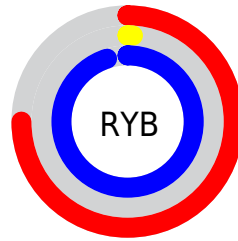
Distribution



Red (75%)

Green (1%)

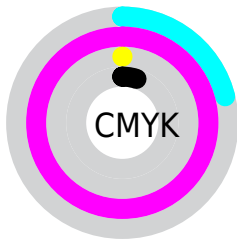
Blue (95%)



Red (75%)

Yellow (1%)

Blue (95%)

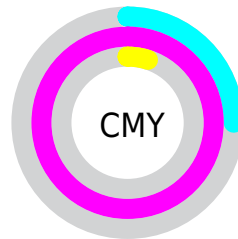


Cyan (21%)

Magenta (99%)

Yellow (0%)

Black (5%)



Cyan (25%)


Magenta (99%)


Yellow (5%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 113.581, 320.062 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 49, 113.581, 320.062 by changing the saturation by 10% instead.


 49, 113.581,
320.062


 49, 113.581,
320.062


 100, 113.581,
320.062


 39, 113.581,
320.062

 69, 113.581,
320.062


 29, 113.581,
320.062


 79, 113.581,
320.062


 19, 113.581,
320.062


 89, 113.581,
320.062

 9, 113.581,
320.062

 99, 113.581,
320.062

 0, 113.581,
320.062

 49, 113.581,

 49, 113.581,

320.062

320.062

■ 49, 113.871,
320.001

■ 51, 110.347,
320.556

■ 53, 104.169,
320.808

■ 57, 95.078,
320.832

■ 61, 83.652,
320.675

■ 66, 70.591,
320.388

■ 72, 56.535,
320.014

■ 78, 41.986,
319.590

■ 84, 27.303,
319.142

■ 90, 12.724,
318.685

Harmonies

Complementary

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



49, 113.581, 320.062



84, 112.956, 134.569

Rectangle

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



49, 113.581, 320.062



49, 113.581, 10.062



49, 113.581, 140.062



49, 113.581, 190.062

Sweetspot

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



49, 113.580, 320.062



80, 45.403, 319.643



36, 111.270, 302.060



40, 30.990, 319.825



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



49, 113.580, 320.062



51, 118.139, 319.981



54, 89.649, 343.814



48, 8.215, 318.714



37, 93.198, 320.125



8, 41.263, 321.128

Inverse Universe

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



51, 88.740, 28.633



54, 92.872, 29.378



84, 103.623, 140.501



48, 5.281, 2.837



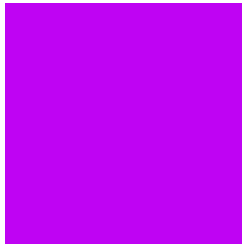
39, 72.600, 28.219



9, 29.935, 15.926

Previews

White Background



This preview shows how the CIE LCh color 49, 113.581, 320.062 looks on a white background.

Color Contrast Check

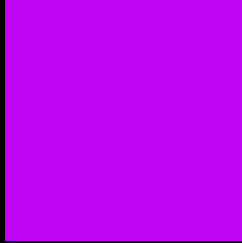
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 49, 113.581, 320.062 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

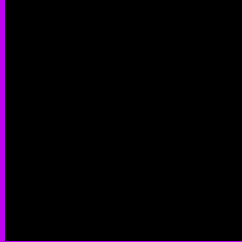
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 113.581, 320.062

Background



This preview shows how black text looks on a background with the CIELCh color 49, 113.581, 320.062.



This preview shows how white text looks on a background with the CIELCh color 49, 113.581, 320.062.

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

49, 113.581, 320.062

Protanopia

50, 73.189, 287.012

Deuteranopia

50, 54.346, 276.569



Tritanopia
49, 32.622, 16.951

Trichromacy



Original Color
49, 113.581, 320.062



Protanomaly
42, 97.630, 301.353



Deuteranomaly
41, 86.283, 299.978



Tritanomaly
46, 63.015, 335.593

Monochromacy



Original Color
49, 113.581, 320.062



Achromatopsia
37, 0.005, 296.813



Achromatomaly
36, 56.185, 320.611

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 113.581, 320.062 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(191, 3, 243)` looks like.

```
.text, #text, p{  
    color:rgb(191, 3, 243)  
}
```

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(191, 3, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 3, 243) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 113.581, 320.062 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(191, 3, 243) }
```

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

```
.border{ border-color:rgb(191, 3, 243) }
```

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

Here you see how a box with a 4 pixel rgb(191, 3, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 3, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 3, 243);  
box-shadow:4px 4px 4px 4px rgb(191, 3,  
243) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 113.581, 320.062 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 3, 243) }
```

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

```
.background{ background-color: rgb(191, 3,  
243) }
```

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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