

Converting Colors

CIELCh(49, 113.524, 320.207)

Have a look what the booklet for
CIELCh(49, 113.524, 320.207)
contains.

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Color

CIELCh(49, 113.346, 320.196)

Conversions

Conversions Part 1

Format	Color
Hex	BF02F2
RGB	191, 2, 242
RGB Percent	75%, 1%, 95%
CMY	0.2497, 0.9914, 0.0498
CMYK	0.21, 0.99, 0.00, 0.05
HSL	287°, 98%, 48%
HSV	287°, 99%, 95%
XYZ	37.6627, 17.5941, 85.6583
YIQ	85.8710, 35.6040, 114.7080

Conversions

Conversions Part 2

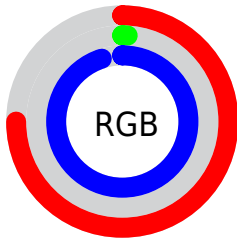
Format	Color
R_{YB}	191, 2, 242
Decimal	12518130
CIE _{Lab}	49.00, 87.08, -72.56
CIE _{LCh}	49, 113.346, 320.196
Yxy	17.5941, 0.2673, 0.1249
Android (android.graphics.Color)	4290708210 (0xFFBF02F2)
YUV	85.8710, 76.9716, 92.1981
Hunter-Lab	41.9453, 86.8709, -91.7170

Details

The CIELCh color **49, 113.346, 320.196** 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, 112.883, 134.630**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **66, 94.239, 327.007**, and **35, 93.954, 317.621** is the 20% darker color. If you saturate the color by 10%, you get **49, 113.574, 320.148**, and if you desaturate by 10%, it is **51, 110.184, 320.685**.

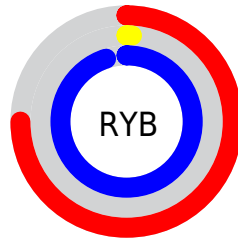
Distribution



Red (75%)

Green (1%)

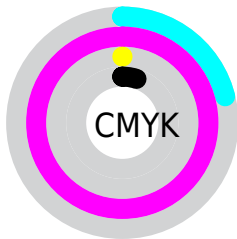
Blue (95%)



Red (75%)

Yellow (1%)

Blue (95%)

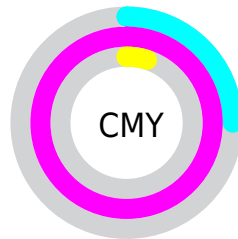


Cyan (21%)

Magenta (99%)

Yellow (0%)

Black (5%)



Cyan (25%)


Magenta (99%)


Yellow (5%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 113.346, 320.196 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, 113.346, 320.196 by changing the saturation by 10% instead.


 49, 113.346,
320.196


 49, 113.346,
320.196


 100, 113.346,
320.196


 39, 113.346,
320.196


 69, 113.346,
320.196


 29, 113.346,
320.196


 79, 113.346,
320.196


 19, 113.346,
320.196

 89, 113.346,
320.196

 9, 113.346,
320.196

 99, 113.346,
320.196


 0, 113.346,
320.196


 49, 113.346,


 49, 113.346,


320.196


320.196


 49, 113.574,
320.148


 51, 110.184,
320.685

 53, 104.116,
320.938

 57, 95.133,
320.965

 61, 83.798,
320.810

 66, 70.806,
320.525

 72, 56.798,
320.152

 77, 42.282,
319.728

 84, 27.619,
319.280

■ 90, 13.051,
318.823

Harmonies

Complementary

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



49, 113.346, 320.196



84, 112.883, 134.630

Rectangle

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



49, 113.346, 320.196



49, 113.346, 10.196



49, 113.346, 140.196



49, 113.346, 190.196

Sweetspot

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



49, 113.345, 320.196



80, 45.446, 319.772



36, 111.279, 302.114



40, 31.017, 319.954



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, 113.345, 320.196



51, 118.061, 320.128



54, 89.478, 343.854



48, 8.224, 318.841



37, 93.139, 320.270



8, 41.242, 321.257

Inverse Universe

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



51, 88.938, 29.069



54, 93.131, 29.697



84, 103.543, 140.462



48, 5.273, 3.149



39, 72.794, 28.543



9, 29.951, 16.130

Previews

White Background



This preview shows how the CIE LCh color 49, 113.346, 320.196 looks on a white background.

Color Contrast Check

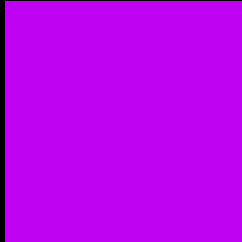
Large Text (above 18pt) WCAG AA ✓ Pass

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, 113.346, 320.196 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

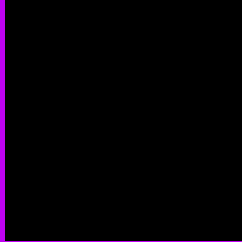
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 113.346, 320.196

Background



This preview shows how black text looks on a background with the CIELCh color 49, 113.346, 320.196.



This preview shows how white text looks on a background with the CIELCh color 49, 113.346, 320.196.

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, 113.257, 320.187

Protanopia

50, 73.727, 287.200

Deuteranopia

50, 54.346, 276.569

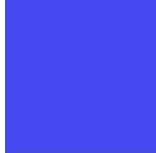


Tritanopia
49, 33.052, 17.109

Trichromacy



Original Color
49, 113.257, 320.187



Protanomaly
42, 98.703, 301.646



Deuteranomaly
41, 86.258, 300.081



Tritanomaly
46, 63.015, 335.593

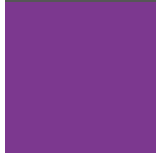
Monochromacy



Original Color
49, 113.257, 320.187



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, 113.346, 320.196 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, 2, 242)` looks like.

```
.text, #text, p{  
    color:rgb(191, 2, 242)  
}
```

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, 2, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 2, 242) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 113.346, 320.196 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, 2, 242) }
```

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

```
.border{ border-color:rgb(191, 2, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 2, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 2, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 2, 242);  
box-shadow:4px 4px 4px 4px rgb(191, 2,  
242) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 113.346, 320.196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 2, 242) }
```

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

```
.background{ background-color: rgb(191, 2,  
242) }
```

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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