

Converting Colors

CIELCh(49, 112.434, 320.589)

Have a look what the booklet for
CIELCh(49, 112.434, 320.589)
contains.

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Color

CIELCh(49, 112.361, 320.571)

Conversions

Conversions Part 1

Format	Color
Hex	C003F0
RGB	192, 3, 240
RGB Percent	75%, 1%, 94%
CMY	0.2463, 0.9892, 0.0581
CMYK	0.20, 0.99, 0.00, 0.06
HSL	288°, 98%, 48%
HSV	288°, 99%, 94%
XYZ	37.5742, 17.5941, 84.0029
YIQ	86.5290, 36.5670, 113.7750

Conversions

Conversions Part 2

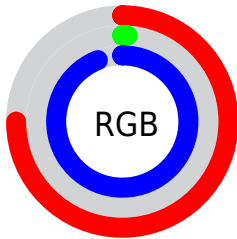
Format	Color
RYB	192, 3, 240
Decimal	12583920
CIELab	49.00, 86.79, -71.36
CIELCh	49, 112.361, 320.571
Yxy	17.5941, 0.2700, 0.1264
Android (android.graphics.Color)	4290774000 (0xFFC003F0)
YUV	86.5290, 75.6612, 92.4981
Hunter-Lab	41.9453, 86.4944, -89.3771

Details

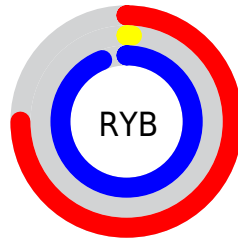
The CIELCh color **49, 112.361, 320.571** is a light color, and the websafe version is hex **CC00FF**. The color can be described as light saturated magenta. A complement of this color would be **84, 112.235, 134.740**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **67, 93.868, 327.187**, and **35, 92.973, 318.052** is the 20% darker color. If you saturate the color by 10%, you get **49, 112.645, 320.513**, and if you desaturate by 10%, it is **51, 109.213, 321.035**.

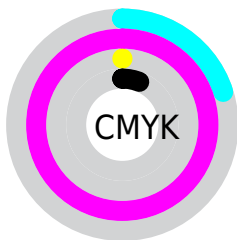
Distribution



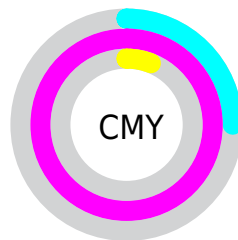
- Red (75%)
- Green (1%)
- Blue (94%)



- Red (75%)
- Yellow (1%)
- Blue (94%)



- Cyan (20%)
- Magenta (99%)
- Yellow (0%)
- Black (6%)





- Cyan (25%)
- Magenta (99%)
- Yellow (6%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 112.361, 320.571 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, 112.361, 320.571 by changing the saturation by 10% instead.


 49, 112.361,
320.571


 49, 112.361,
320.571


 100, 112.361,
320.571


 39, 112.361,
320.571


 69, 112.361,
320.571


 29, 112.361,
320.571


 79, 112.361,
320.571


 19, 112.361,
320.571


 89, 112.361,
320.571

 9, 112.361,
320.571


 99, 112.361,
320.571

 0, 112.361,
320.571


 49, 112.361,


 49, 112.361,

320.571


 49, 112.645,
320.513


320.571


 51, 109.213,
321.035


 53, 103.171,
321.270


 57, 94.246,
321.284

 61, 82.989,
321.122

 66, 70.084,
320.833

 71, 56.163,
320.457

 77, 41.729,
320.032

 83, 27.144,
319.582

■ 89, 12.648,
319.121

Harmonies

Complementary

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



49, 112.361, 320.571



84, 112.235, 134.740

Rectangle

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



49, 112.361, 320.571



49, 112.361, 10.571



49, 112.361, 140.571



49, 112.361, 190.571

Sweetspot

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



49, 112.360, 320.571



81, 45.552, 320.086



36, 110.250, 302.042



40, 31.085, 320.269



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, 112.360, 320.571



52, 117.876, 320.490



54, 88.890, 343.800



47, 8.106, 319.150



37, 92.045, 320.633



8, 39.989, 321.614

Inverse Universe

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



51, 88.780, 29.693



53, 93.773, 30.462



83, 102.702, 140.514



47, 5.163, 3.917



38, 72.494, 29.266



8, 28.997, 15.467

Previews

White Background



This preview shows how the CIELCh color 49, 112.361, 320.571 looks on a white background.

Color Contrast Check

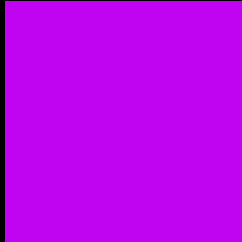
Large Text (above 18pt) WCAG AA ✓ Pass

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, 112.361, 320.571 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

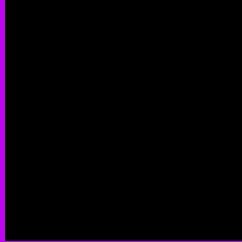
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 112.361, 320.571

Background



This preview shows how black text looks on a background with the CIELCh color 49, 112.361, 320.571.

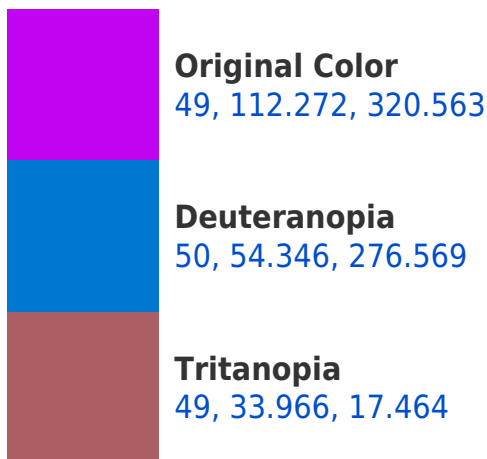


This preview shows how white text looks on a background with the CIELCh color 49, 112.361, 320.571.

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



Trichromacy



Original Color
49, 112.272, 320.563



Deuteranomaly
41, 85.718, 300.032



Tritanomaly
46, 62.797, 336.295

Monochromacy



Original Color
49, 112.272, 320.563



Achromatopsia
37, 0.005, 296.813



Achromatomaly
36, 55.753, 321.249

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 112.361, 320.571 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(192, 3, 240)` looks like.

```
.text, #text, p{  
    color:rgb(192, 3, 240)  
}
```

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(192, 3, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 3, 240) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 112.361, 320.571 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(192, 3, 240) }
```

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

```
.border{ border-color:rgb(192, 3, 240) }
```

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

Here you see how a box with a 4 pixel rgb(192, 3, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 3, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 3, 240);  
box-shadow:4px 4px 4px 4px rgb(192, 3,  
240) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 112.361, 320.571 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 3, 240) }
```

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

```
.background{ background-color: rgb(192, 3,  
240) }
```

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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