

Converting Colors

CIELCh(49, 77.385, 333.470)

Have a look what the booklet for
CIELCh(49, 77.385, 333.470)
contains.

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Color

CIELCh(49, 77.385, 333.470)

Conversions

Conversions Part 1

Format	Color
Hex	C633B0
RGB	198, 51, 176
RGB Percent	78%, 20%, 69%
CMY	0.2223, 0.7985, 0.3087
CMYK	0.00, 0.74, 0.11, 0.22
HSL	309°, 59%, 49%
HSV	309°, 74%, 78%
XYZ	32.4362, 17.5941, 42.9118
YIQ	109.2030, 47.4870, 70.0390

Conversions

Conversions Part 2

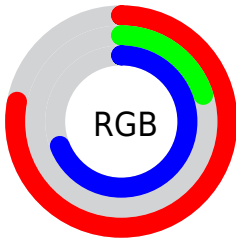
Format	Color
R_{YB}	198, 51, 176
Decimal	12989360
CIE _{Lab}	49.00, 69.24, -34.57
CIE _{LCh}	49, 77.385, 333.470
Yxy	17.5941, 0.3490, 0.1893
Android (android.graphics.Color)	4291179440 (0xFFC633B0)
YUV	109.2030, 32.9309, 77.8750
Hunter-Lab	41.9453, 64.6295, -31.2944

Details

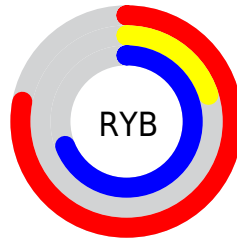
The CIELCh color **49, 77.385, 333.470** is a dark color, and the websafe version is hex **CC0099**. The color can be described as middle muted rose. A complement of this color would be **71, 80.436, 141.185**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 76.923, 332.787**, and **32, 67.398, 333.604** is the 20% darker color. If you saturate the color by 10%, you get **47, 82.123, 334.139**, and if you desaturate by 10%, it is **52, 70.358, 332.824**.

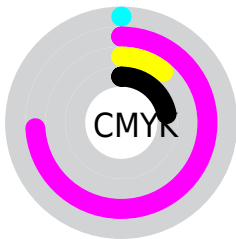
Distribution



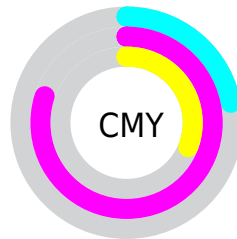
- Red (78%)
- Green (20%)
- Blue (69%)



- Red (78%)
- Yellow (20%)
- Blue (69%)



- Cyan (0%)
- Magenta (74%)
- Yellow (11%)
- Black (22%)




- Cyan (22%)
- Magenta (80%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 77.385, 333.470 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, 77.385, 333.470 by changing the saturation by 10% instead.


 49, 77.385,
333.470

 49, 77.385,
333.470


 100, 77.385,
333.470

 39, 77.385,
333.470

 69, 77.385,
333.470

 29, 77.385,
333.470

 79, 77.385,
333.470

 19, 77.385,
333.470

 89, 77.385,
333.470

 9, 77.385, 333.470

 99, 77.385,
333.470

 0, 77.385, 333.470


 49, 77.385,

 49, 77.385,


333.470


333.470


 47, 82.123,
334.139


 52, 70.358,
332.824

 46, 84.434,
334.853


 55, 61.455,
332.186

 45, 85.014,
335.296

 59, 51.176,
331.550

 63, 40.010,
330.915

 68, 28.365,
330.286

 73, 16.550,
329.663

 78, 4.780, 329.019

 83, 6.805, 148.543

■ 88, 18.119,
147.959

Harmonies

Complementary

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



49, 77.385, 333.470



71, 80.436, 141.185

Rectangle

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



49, 77.385, 333.470



49, 77.385, 23.470



49, 77.385, 153.470



49, 77.385, 203.470

Sweetspot

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



49, 77.382, 333.470



86, 31.760, 330.175



34, 88.758, 304.527



44, 21.341, 330.348



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, 77.382, 333.470



59, 101.316, 334.577



46, 60.933, 3.863



39, 6.657, 329.369



37, 73.688, 335.180



4, 23.470, 332.666

Inverse Universe

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



49, 77.382, 333.470



59, 101.316, 334.577



72, 53.196, 162.213



39, 6.657, 329.369



37, 73.688, 335.180



4, 23.470, 332.666

Previews

White Background



This preview shows how the CIELCh color 49, 77.385, 333.470 looks on a white background.

Color Contrast Check

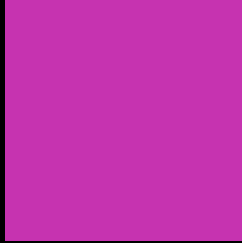
Large Text (above 18pt) WCAG AA ✓ Pass

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, 77.385, 333.470 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

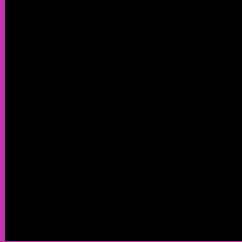
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 77.385, 333.470

Background



This preview shows how black text looks on a background with the CIELCh color 49, 77.385, 333.470.

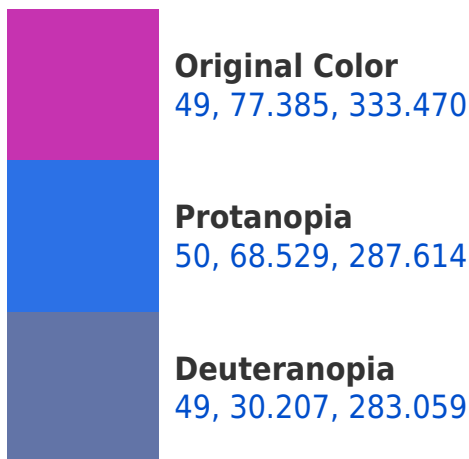


This preview shows how white text looks on a background with the CIELCh color 49, 77.385, 333.470.

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
49, 47.791, 23.317

Trichromacy



Original Color
49, 77.385, 333.470



Protanomaly
45, 70.301, 300.555



Deuteranomaly
46, 48.132, 312.562

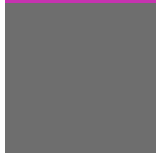


Tritanomaly
48, 53.081, 358.703

Monochromacy



Original Color
49, 77.385, 333.470



Achromatopsia
46, 0.006, 296.813



Achromatomaly
45, 33.273, 331.097

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 77.385, 333.470 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(198, 51, 176)` looks like.

```
.text, #text, p{  
    color:rgb(198, 51, 176)  
}
```

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(198, 51, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 51, 176) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 77.385, 333.470 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(198, 51, 176) }
```

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

```
.border{ border-color:rgb(198, 51, 176) }
```

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

Here you see how a box with a 4 pixel rgb(198, 51, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 51, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 51, 176);  
box-shadow:4px 4px 4px 4px rgb(198, 51,  
176) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 77.385, 333.470 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 51, 176) }
```

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

```
.background{ background-color: rgb(198, 51,  
176) }
```

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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