

Converting Colors

CIELCh(49, 96.494, 318.863)

Have a look what the booklet for
CIELCh(49, 96.494, 318.863)
contains.

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Color

CIELCh(49, 96.480, 318.884)

Conversions

Conversions Part 1

Format	Color
Hex	B236E2
RGB	178, 54, 226
RGB Percent	70%, 21%, 89%
CMY	0.3020, 0.7882, 0.1137
CMYK	0.21, 0.76, 0.00, 0.11
HSL	283°, 75%, 55%
HSV	283°, 76%, 89%
XYZ	33.4064, 17.5941, 73.5863
YIQ	110.6840, 18.6920, 79.7800

Conversions

Conversions Part 2

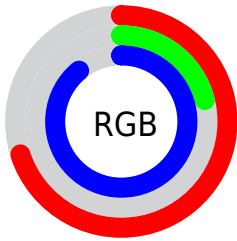
Format	Color
R_{YB}	178, 54, 226
Decimal	11679458
CIE _{Lab}	49.00, 72.69, -63.44
CIE _{LCh}	49, 96.480, 318.884
Yxy	17.5941, 0.2681, 0.1412
Android (android.graphics.Color)	4289869538 (0xFFB236E2)
YUV	110.6840, 56.8508, 59.0361
Hunter-Lab	41.9453, 68.7584, -74.6531

Details

The CIELCh color **49, 96.480, 318.884** is a light color, and the websafe version is hex **9900CC**. The color can be described as light washed purple. A complement of this color would be **80, 92.952, 132.759**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 83.230, 323.569**, and **32, 88.252, 317.608** is the 20% darker color. If you saturate the color by 10%, you get **46, 103.629, 318.666**, and if you desaturate by 10%, it is **53, 86.775, 318.861**.

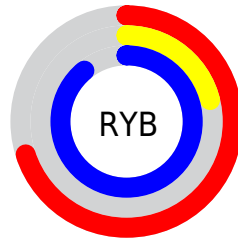
Distribution



Red (70%)

Green (21%)

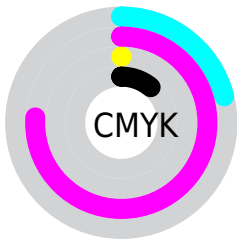
Blue (89%)



Red (70%)

Yellow (21%)

Blue (89%)

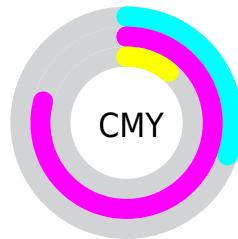


Cyan (21%)

Magenta (76%)

Yellow (0%)

Black (11%)



Cyan (30%)

Magenta (79%)

Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 96.480, 318.884 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, 96.480, 318.884 by changing the saturation by 10% instead.

 49, 96.480,
318.884


 49, 96.480,
318.884


 100, 96.480,
318.884


 39, 96.480,
318.884

 69, 96.480,
318.884


 29, 96.480,
318.884

 79, 96.480,
318.884

 19, 96.480,
318.884

 89, 96.480,
318.884

 9, 96.480, 318.884

 99, 96.480,
318.884


 0, 96.480, 318.884


 49, 96.480,


 49, 96.480,


318.884


318.884


 46, 103.629,
318.666

 53, 86.775,
318.861


 44, 107.821,
318.159


 58, 75.190,
318.659

 43, 108.961,
317.916

 63, 62.399,
318.337


 68, 48.956,
317.943

 74, 35.262,
317.513

 80, 21.589,
317.071

 86, 8.104, 316.623

 92, 5.091, 136.276

 98, 16.485,
135.179

Harmonies

Complementary

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



49, 96.480, 318.884



80, 92.952, 132.759

Rectangle

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



49, 96.480, 318.884



49, 96.480, 8.884



49, 96.480, 138.884



49, 96.480, 188.884

Sweetspot

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



49, 96.479, 318.884



85, 34.198, 317.383



47, 72.525, 291.643



43, 23.725, 317.543



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, 96.479, 318.884



50, 116.462, 318.424



55, 83.139, 336.735



44, 7.519, 316.775



33, 90.295, 318.066



5, 34.977, 318.555

Inverse Universe

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



52, 68.898, 11.966



55, 85.007, 19.189



80, 87.029, 142.690



44, 5.049, 358.269



37, 66.998, 22.754



6, 25.326, 8.797

Previews

White Background



This preview shows how the CIELCh color 49, 96.480, 318.884 looks on a white background.

Color Contrast Check

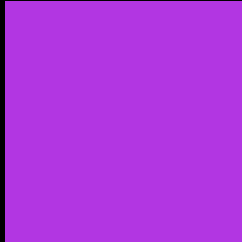
Large Text (above 18pt) WCAG AA ✓ Pass

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, 96.480, 318.884 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

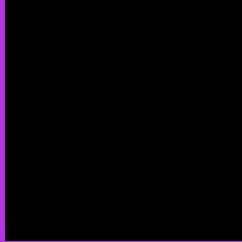
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 96.480, 318.884

Background



This preview shows how black text looks on a background with the CIELCh color 49, 96.480, 318.884.



This preview shows how white text looks on a background with the CIELCh color 49, 96.480, 318.884.

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, 96.480, 318.884

Protanopia

49, 73.257, 287.197

Deuteranopia

49, 54.884, 277.160



Tritanopia
49, 26.406, 12.984

Trichromacy



Original Color
49, 96.480, 318.884



Protanomaly
45, 83.503, 296.760



Deuteranomaly
45, 71.680, 294.193



Tritanomaly
48, 48.480, 333.919

Monochromacy



Original Color
49, 96.480, 318.884



Achromatopsia
47, 0.006, 296.813



Achromatomaly
45, 40.597, 317.897

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 96.480, 318.884 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(178, 54, 226)` looks like.

```
.text, #text, p{  
    color:rgb(178, 54, 226)  
}
```

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(178, 54, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 54, 226) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 96.480, 318.884 is called "border". The border property can be set on classes, ids or directly on the HTML element.

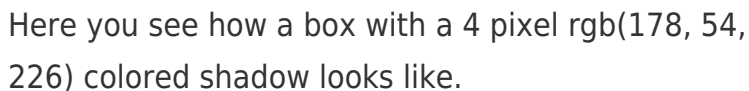
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(178, 54, 226) }
```

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

```
.border{ border-color:rgb(178, 54, 226) }
```

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



Here you see how a box with a 4 pixel `rgb(178, 54, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 54, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 54, 226);  
box-shadow:4px 4px 4px 4px rgb(178, 54,  
226) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 96.480, 318.884 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 54, 226) }
```

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

```
.background{ background-color: rgb(178, 54,  
226) }
```

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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