

Converting Colors

CIELCh(49, 94.852, 318.871)

Have a look what the booklet for
CIELCh(49, 94.852, 318.871)
contains.

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Color

CIELCh(49, 94.852, 318.871)

Conversions

Conversions Part 1

Format	Color
Hex	B138E0
RGB	177, 56, 224
RGB Percent	69%, 22%, 88%
CMY	0.3054, 0.7798, 0.1211
CMYK	0.21, 0.75, 0.00, 0.12
HSL	283°, 73%, 55%
HSV	283°, 75%, 88%
XYZ	33.0553, 17.5941, 72.2681
YIQ	111.3310, 18.1880, 77.9000

Conversions

Conversions Part 2

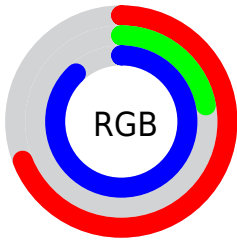
Format	Color
RYB	177, 56, 224
Decimal	11614432
CIELab	49.00, 71.45, -62.39
CIELCh	49, 94.852, 318.871
Yxy	17.5941, 0.2689, 0.1431
Android (android.graphics.Color)	4289804512 (0xFFB138E0)
YUV	111.3310, 55.5458, 57.5917
Hunter-Lab	41.9453, 67.2641, -72.7898

Details

The CIELCh color **49, 94.852, 318.871** is a light color, and the websafe version is hex **9933CC**. The color can be described as light washed purple. A complement of this color would be **80, 91.350, 132.754**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 82.630, 323.309**, and **31, 87.441, 317.694** is the 20% darker color. If you saturate the color by 10%, you get **46, 102.291, 318.685**, and if you desaturate by 10%, it is **53, 84.949, 318.823**.

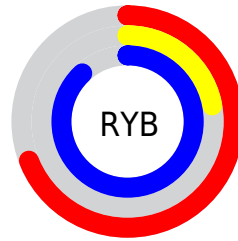
Distribution



Red (69%)

Green (22%)

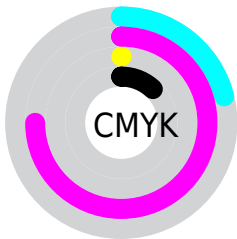
Blue (88%)



Red (69%)

Yellow (22%)

Blue (88%)

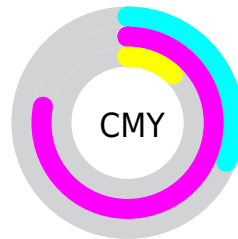


Cyan (21%)

Magenta (75%)

Yellow (0%)

Black (12%)



Cyan (31%)


Magenta (78%)


Yellow (12%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 94.852, 318.871 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, 94.852, 318.871 by changing the saturation by 10% instead.


 49, 94.852,
318.871


 49, 94.852,
318.871


 100, 94.852,
318.871


 39, 94.852,
318.871

 69, 94.852,
318.871


 29, 94.852,
318.871

 79, 94.852,
318.871

 19, 94.852,
318.871

 89, 94.852,
318.871

 9, 94.852, 318.871

 99, 94.852,
318.871


 0, 94.852, 318.871


 49, 94.852,


 49, 94.852,


318.871


318.871


 46, 102.291,
318.685


 53, 84.949,
318.823

 44, 106.813,
318.213


 58, 73.263,
318.604

 43, 108.293,
317.898

 63, 60.454,
318.272


 68, 47.054,
317.872

 74, 33.444,
317.439

 80, 19.879,
316.997

 86, 6.517, 316.546

 92, 6.550, 136.199

 98, 17.534,
135.031

Harmonies

Complementary

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



49, 94.852, 318.871



80, 91.350, 132.754

Rectangle

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



49, 94.852, 318.871



49, 94.852, 8.871



49, 94.852, 138.871



49, 94.852, 188.871

Sweetspot

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



49, 94.851, 318.871



85, 32.682, 317.316



47, 70.824, 291.245



43, 22.001, 317.437



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, 94.851, 318.871



51, 116.012, 318.453



54, 81.943, 336.624



44, 7.518, 316.752



33, 90.306, 318.043



5, 34.973, 318.529

Inverse Universe

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



51, 67.657, 11.444



55, 84.471, 18.593



79, 85.488, 142.889



44, 5.050, 358.219



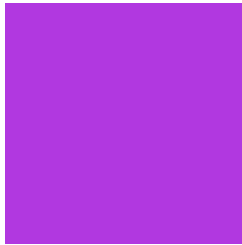
37, 66.974, 22.692



6, 25.327, 8.760

Previews

White Background



This preview shows how the CIELCh color 49, 94.852, 318.871 looks on a white background.

Color Contrast Check

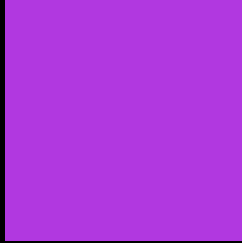
Large Text (above 18pt) WCAG AA ✓ Pass

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, 94.852, 318.871 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

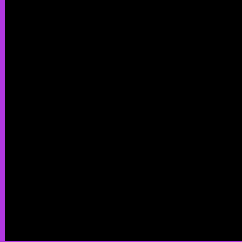
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 94.852, 318.871

Background



This preview shows how black text looks on a background with the CIELCh color 49, 94.852, 318.871.



This preview shows how white text looks on a background with the CIELCh color 49, 94.852, 318.871.

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, 94.852, 318.871

Protanopia

49, 73.257, 287.197

Deuteranopia

49, 54.884, 277.160



Tritanopia
49, 26.406, 12.984

Trichromacy



Original Color
49, 94.852, 318.871



Protanomaly
45, 82.977, 296.584



Deuteranomaly
45, 70.503, 293.622



Tritanomaly
48, 48.300, 333.515

Monochromacy



Original Color
49, 94.852, 318.871



Achromatopsia
47, 0.006, 296.813



Achromatomaly
45, 39.406, 318.075

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 94.852, 318.871 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(177, 56, 224)` looks like.

```
.text, #text, p{  
    color:rgb(177, 56, 224)  
}
```

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(177, 56, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 56, 224) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 94.852, 318.871 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(177, 56, 224) }
```

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

```
.border{ border-color:rgb(177, 56, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 56, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 56, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 56, 224);  
box-shadow:4px 4px 4px 4px rgb(177, 56,  
224) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 94.852, 318.871 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 56, 224) }
```

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

```
.background{ background-color: rgb(177, 56,  
224) }
```

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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