

Converting Colors

CIELCh(49, 75.643, 314.834)

Have a look what the booklet for
CIELCh(49, 75.643, 314.834)
contains.

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Color

CIELCh(49, 75.904, 314.667)

Conversions

Conversions Part 1

Format	Color
Hex	9C51D1
RGB	156, 81, 209
RGB Percent	61%, 32%, 82%
CMY	0.3877, 0.6819, 0.1799
CMYK	0.25, 0.61, 0.00, 0.18
HSL	275°, 58%, 57%
HSV	275°, 61%, 82%
XYZ	28.2124, 17.5941, 62.3167
YIQ	118.0170, 3.6120, 55.7080

Conversions

Conversions Part 2

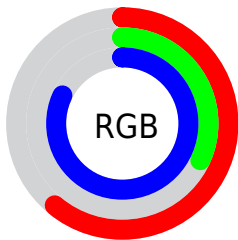
Format	Color
R_{YB}	156, 81, 209
Decimal	10244561
CIE _{Lab}	49.00, 53.36, -53.98
CIE _{LCh}	49, 75.904, 314.667
Yxy	17.5941, 0.2609, 0.1627
Android (android.graphics.Color)	4288434641 (0xFF9C51D1)
YUV	118.0170, 44.8546, 33.3111
Hunter-Lab	41.9453, 46.6549, -58.7234

Details

The CIELCh color **49, 75.904, 314.667** is a light color, and the websafe version is hex **9933CC**. The color can be described as light muted purple. A complement of this color would be **77, 70.789, 129.289**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **68, 70.206, 316.529**, and **29, 76.008, 314.549** is the 20% darker color. If you saturate the color by 10%, you get **44, 86.740, 314.875**, and if you desaturate by 10%, it is **54, 63.927, 314.312**.

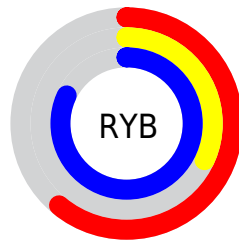
Distribution



Red (61%)

Green (32%)

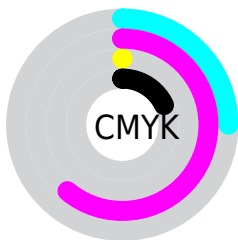
Blue (82%)



Red (61%)

Yellow (32%)

Blue (82%)

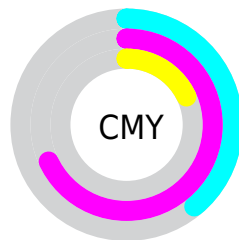


Cyan (25%)

Magenta (61%)

Yellow (0%)

Black (18%)



Cyan (39%)


Magenta (68%)

Yellow (18%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 75.904, 314.667 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, 75.904, 314.667 by changing the saturation by 10% instead.


 49, 75.904,
314.667


 49, 75.904,
314.667


 100, 75.904,
314.667

 39, 75.904,
314.667

 69, 75.904,
314.667

 29, 75.904,
314.667

 79, 75.904,
314.667

 19, 75.904,
314.667

 89, 75.904,
314.667

 9, 75.904, 314.667

 99, 75.904,
314.667

 0, 75.904, 314.667

 49, 75.904,

 49, 75.904,

314.667

44, 86.740,
314.875

40, 95.706,
314.849

38, 102.066,
314.499

36, 105.567,
313.937

314.667

54, 63.927,
314.312

60, 51.384,
313.877

65, 38.666,
313.408

71, 26.019,
312.936

77, 13.588,
312.478

83, 1.455, 311.961

89, 10.344,
131.689

95, 21.794,
131.328

■ 97, 24.520,
126.685

Harmonies

Complementary

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



49, 75.904, 314.667



77, 70.789, 129.289

Rectangle

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



49, 75.904, 314.667



49, 75.904, 4.667



49, 75.904, 134.667



49, 75.904, 184.667

Sweetspot

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



49, 75.903, 314.667



87, 25.848, 312.796



56, 44.091, 276.724



45, 18.022, 312.933



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, 75.903, 314.667



53, 103.712, 314.894



56, 74.145, 330.195



41, 6.862, 312.397



28, 89.690, 314.105



3, 27.311, 310.946

Inverse Universe

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



53, 55.459, 356.817



59, 74.237, 0.106



75, 75.337, 141.158



41, 5.129, 349.352



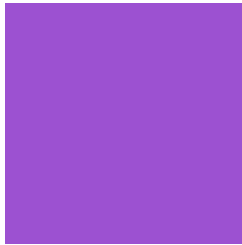
36, 61.965, 9.917



5, 21.089, 359.291

Previews

White Background



This preview shows how the CIELCh color 49, 75.904, 314.667 looks on a white background.

Color Contrast Check

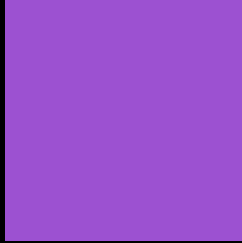
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 49, 75.904, 314.667 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

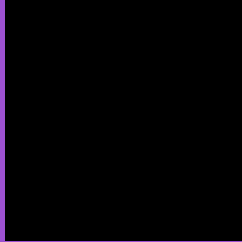
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 75.904, 314.667

Background



This preview shows how black text looks on a background with the CIELCh color 49, 75.904, 314.667.



This preview shows how white text looks on a background with the CIELCh color 49, 75.904, 314.667.

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, 75.904, 314.667

Protanopia
49, 74.407, 287.753

Deuteranopia
49, 50.346, 278.850



Tritanopia
49, 14.045, 1.821

Trichromacy



Original Color
49, 75.904, 314.667

Protanomaly
47, 74.671, 292.778

Deuteranomaly
48, 58.730, 293.430

Tritanomaly
48, 35.187, 324.018

Monochromacy



Original Color
49, 75.904, 314.667

Achromatopsia
50, 0.007, 296.813

Achromatomaly
49, 28.915, 313.370

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 75.904, 314.667 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(156, 81, 209)` looks like.

```
.text, #text, p{  
    color:rgb(156, 81, 209)  
}
```

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(156, 81, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 81, 209) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 75.904, 314.667 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(156, 81, 209) }
```

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

```
.border{ border-color:rgb(156, 81, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 81, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 81, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 81, 209);  
box-shadow:4px 4px 4px 4px rgb(156, 81,  
209) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 75.904, 314.667 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 81, 209) }
```

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

```
.background{ background-color: rgb(156, 81,  
209) }
```

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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