

Converting Colors

CIELCh(49, 97.391, 315.646)

Have a look what the booklet for
CIELCh(49, 97.391, 315.646)
contains.

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Color

CIELCh(49, 97.228, 315.598)

Conversions

Conversions Part 1

Format	Color
Hex	A73EEA
RGB	167, 62, 234
RGB Percent	65%, 24%, 92%
CMY	0.3452, 0.7570, 0.0825
CMYK	0.29, 0.74, 0.00, 0.08
HSL	277°, 80%, 58%
HSV	277°, 74%, 92%
XYZ	32.4997, 17.5941, 79.5058
YIQ	113.0030, 7.3680, 75.7520

Conversions

Conversions Part 2

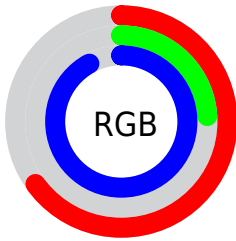
Format	Color
R_{YB}	167, 62, 234
Decimal	10960618
CIE Lab	49.00, 69.46, -68.03
CIE LCh	49, 97.228, 315.598
Yxy	17.5941, 0.2508, 0.1358
Android (android.graphics.Color)	4289150698 (0xFFA73EEA)
YUV	113.0030, 59.6515, 47.3554
Hunter-Lab	41.9453, 64.8998, -83.0204

Details

The CIELCh color **49, 97.228, 315.598** 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 **84, 90.382, 129.866**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 79.742, 320.864**, and **30, 92.660, 314.723** is the 20% darker color. If you saturate the color by 10%, you get **45, 106.121, 315.469**, and if you desaturate by 10%, it is **54, 85.998, 315.470**.

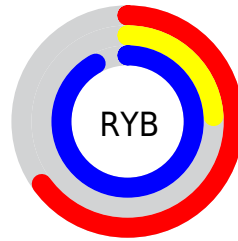
Distribution



Red (65%)

Green (24%)

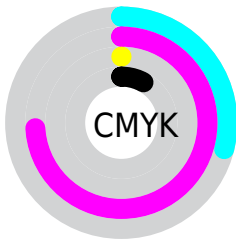
Blue (92%)



Red (65%)

Yellow (24%)

Blue (92%)

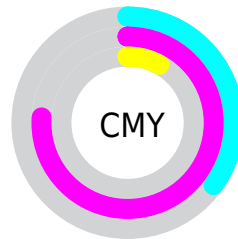


Cyan (29%)

Magenta (74%)

Yellow (0%)

Black (8%)



Cyan (35%)

Magenta (76%)

Yellow (8%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 97.228, 315.598 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, 97.228, 315.598 by changing the saturation by 10% instead.

 49, 97.228,
315.598


 49, 97.228,
315.598


 100, 97.228,
315.598


 39, 97.228,
315.598

 69, 97.228,
315.598


 29, 97.228,
315.598

 79, 97.228,
315.598

 19, 97.228,
315.598

 89, 97.228,
315.598

 9, 97.228, 315.598


 99, 97.228,
315.598


 0, 97.228, 315.598


 49, 97.228,

 49, 97.228,


315.598


 45, 106.121,
315.469


 42, 111.968,
314.997


 41, 114.338,
314.536


315.598


 54, 85.998,
315.470

 59, 73.251,
315.170

 65, 59.674,
314.769

 71, 45.761,
314.319

 77, 31.836,
313.854

 84, 18.095,
313.397

 90, 4.650, 312.940

 97, 8.441, 132.599

99, 10.886,
120.768

Harmonies

Complementary

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



49, 97.228, 315.598



84, 90.382, 129.866

Rectangle

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



49, 97.228, 315.598



49, 97.228, 5.598



49, 97.228, 135.598



49, 97.228, 185.598

Sweetspot

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



49, 97.227, 315.598



85, 31.896, 313.789



55, 59.868, 282.609



43, 21.490, 313.915



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, 97.227, 315.598



48, 116.755, 315.284



58, 90.766, 331.445



46, 7.587, 313.216



31, 94.235, 314.714



5, 38.193, 315.344

Inverse Universe

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



55, 69.327, 2.091



56, 81.756, 7.801



82, 94.068, 139.874



46, 5.556, 350.881



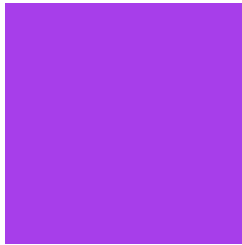
38, 65.700, 12.600



7, 27.924, 3.608

Previews

White Background



This preview shows how the CIELCh color 49, 97.228, 315.598 looks on a white background.

Color Contrast Check

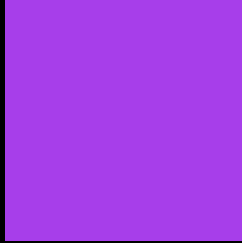
Large Text (above 18pt) WCAG AA ✓ Pass

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, 97.228, 315.598 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

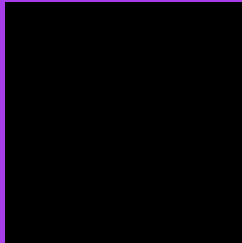
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 97.228, 315.598

Background



This preview shows how black text looks on a background with the CIELCh color 49, 97.228, 315.598.



This preview shows how white text looks on a background with the CIELCh color 49, 97.228, 315.598.

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, 97.228, 315.598

Protanopia
49, 73.867, 287.570

Deuteranopia
49, 53.853, 276.451



Tritanopia
49, 17.775, 6.579

Trichromacy



Original Color
49, 97.228, 315.598



Protanomaly
46, 83.951, 296.126



Deuteranomaly
45, 70.402, 292.821



Tritanomaly
48, 45.627, 325.384

Monochromacy



Original Color
49, 97.228, 315.598



Achromatopsia
48, 0.006, 296.813



Achromatomaly
46, 39.777, 314.845

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 97.228, 315.598 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(167, 62, 234)` looks like.

```
.text, #text, p{  
    color:rgb(167, 62, 234)  
}
```

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(167, 62, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 62, 234) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 97.228, 315.598 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(167, 62, 234) }
```

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

```
.border{ border-color:rgb(167, 62, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 62, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 62, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 62, 234);  
box-shadow:4px 4px 4px 4px rgb(167, 62,  
234) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 97.228, 315.598 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 62, 234) }
```

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

```
.background{ background-color: rgb(167, 62,  
234) }
```

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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