

Converting Colors

CIELCh(49, 99.133, 314.174)

Have a look what the booklet for
CIELCh(49, 99.133, 314.174)
contains.

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Color

CIELCh(49, 98.855, 314.161)

Conversions

Conversions Part 1

Format	Color
Hex	A240EF
RGB	162, 64, 239
RGB Percent	64%, 25%, 94%
CMY	0.3645, 0.7488, 0.0625
CMYK	0.32, 0.73, 0.00, 0.06
HSL	274°, 85%, 59%
HSV	274°, 73%, 94%
XYZ	32.3343, 17.5941, 83.3919
YIQ	113.2520, 2.2330, 75.2010

Conversions

Conversions Part 2

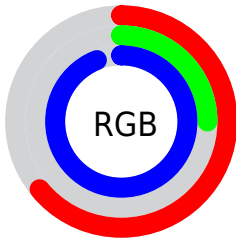
Format	Color
R_{YB}	162, 64, 239
Decimal	10633455
CIE _{Lab}	49.00, 68.87, -70.92
CIE _{LCh}	49, 98.855, 314.161
Yxy	17.5941, 0.2425, 0.1320
Android (android.graphics.Color)	4288823535 (0xFFA240EF)
YUV	113.2520, 61.9938, 42.7520
Hunter-Lab	41.9453, 64.1957, -88.5135

Details

The CIELCh color **49, 98.855, 314.161** is a light color, and the websafe version is hex **9900CC**. The color can be described as light muted purple. A complement of this color would be **86, 90.314, 128.328**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 78.844, 319.654**, and **30, 95.494, 313.513** is the 20% darker color. If you saturate the color by 10%, you get **45, 108.370, 314.087**, and if you desaturate by 10%, it is **54, 87.050, 313.971**.

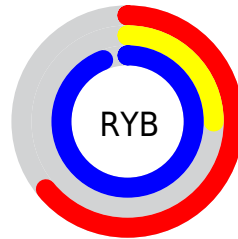
Distribution



Red (64%)

Green (25%)

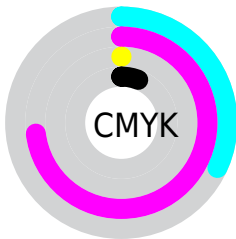
Blue (94%)



Red (64%)

Yellow (25%)

Blue (94%)

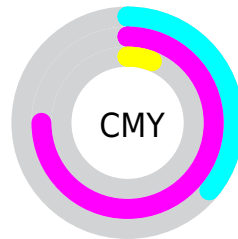


Cyan (32%)

Magenta (73%)

Yellow (0%)

Black (6%)



Cyan (36%)


Magenta (75%)

Yellow (6%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 98.855, 314.161 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, 98.855, 314.161 by changing the saturation by 10% instead.


 49, 98.855,
314.161


 49, 98.855,
314.161


 100, 98.855,
314.161


 39, 98.855,
314.161

 69, 98.855,
314.161


 29, 98.855,
314.161

 79, 98.855,
314.161

 19, 98.855,
314.161

 89, 98.855,
314.161

 9, 98.855, 314.161

 99, 98.855,
314.161

 0, 98.855, 314.161

 49, 98.855,

 49, 98.855,

314.161

314.161

■ 45, 108.370,
314.087

■ 54, 87.050,
313.971

■ 42, 114.771,
313.649

■ 60, 73.835,
313.613

■ 40, 117.486,
313.167

■ 66, 59.907,
313.162

■ 72, 45.744,
312.673

■ 79, 31.647,
312.181

■ 86, 17.790,
311.704

■ 92, 4.267, 311.235

■ 99, 8.701, 130.615

100, 8.074,
109.564

Harmonies

Complementary

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



49, 98.855, 314.161



86, 90.314, 128.328

Rectangle

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



49, 98.855, 314.161



49, 98.855, 4.161



49, 98.855, 134.161



49, 98.855, 184.161

Sweetspot

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



49, 98.854, 314.161



84, 31.574, 312.126



59, 55.909, 278.101



43, 21.281, 312.258



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, 98.854, 314.161



46, 117.677, 313.914



60, 95.297, 329.572



47, 7.634, 311.532



30, 96.244, 313.354



5, 39.844, 313.991

Inverse Universe

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



56, 71.130, 358.081



56, 81.942, 3.309



84, 98.134, 138.741



47, 5.834, 347.809



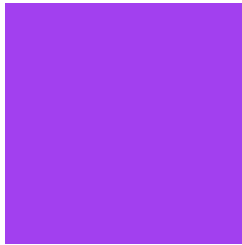
39, 65.978, 7.758



8, 29.004, 0.302

Previews

White Background



This preview shows how the CIELCh color 49, 98.855, 314.161 looks on a white background.

Color Contrast Check

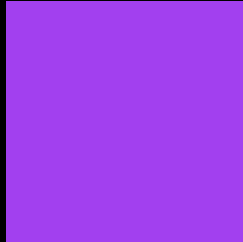
Large Text (above 18pt) WCAG AA ✓ Pass

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, 98.855, 314.161 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

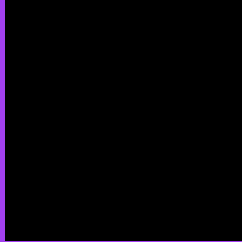
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 98.855, 314.161

Background



This preview shows how black text looks on a background with the CIELCh color 49, 98.855, 314.161.



This preview shows how white text looks on a background with the CIELCh color 49, 98.855, 314.161.

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, 98.855, 314.161

Protanopia
49, 73.867, 287.570

Deuteranopia
49, 53.339, 276.086



Tritanopia
49, 13.648, 1.165

Trichromacy



Original Color
49, 98.855, 314.161



Protanomaly
46, 83.900, 295.780



Deuteranomaly
46, 70.917, 292.504



Tritanomaly
48, 44.675, 320.548

Monochromacy



Original Color
49, 98.855, 314.161



Achromatopsia
48, 0.006, 296.813



Achromatomaly
46, 39.985, 313.046

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 98.855, 314.161 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(162, 64, 239)` looks like.

```
.text, #text, p{  
    color:rgb(162, 64, 239)  
}
```

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(162, 64, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 64, 239) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 98.855, 314.161 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(162, 64, 239) }
```

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

```
.border{ border-color:rgb(162, 64, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 64, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 64, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 64, 239);  
box-shadow:4px 4px 4px 4px rgb(162, 64,  
239) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 98.855, 314.161 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 64, 239) }
```

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

```
.background{ background-color: rgb(162, 64,  
239) }
```

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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