

Converting Colors

CIELCh(49, 111.170, 313.874)

Have a look what the booklet for
CIELCh(49, 111.170, 313.874)
contains.

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Color

CIELCh(49, 110.904, 313.923)

Conversions

Conversions Part 1

Format	Color
Hex	A434FF
RGB	164, 52, 255
RGB Percent	64%, 20%, 100%
CMY	0.3565, 0.7957, 0.0000
CMYK	0.36, 0.80, 0.00, 0.00
HSL	273°, 100%, 60%
HSV	273°, 80%, 100%
XYZ	34.6273, 17.5941, 96.2576
YIQ	108.6300, 1.5890, 86.8770

Conversions

Conversions Part 2

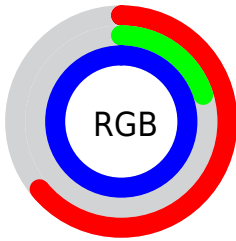
Format	Color
R_{YB}	164, 52, 255
Decimal	10761471
CIE _{Lab}	49.00, 76.93, -79.88
CIE _{LCh}	49, 110.904, 313.923
Yxy	17.5941, 0.2332, 0.1185
Android (android.graphics.Color)	4288951551 (0xFFA434FF)
YUV	108.6300, 72.1604, 48.5595
Hunter-Lab	41.9453, 73.9536, -106.6992

Details

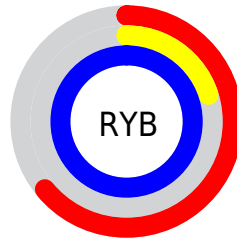
The CIELCh color **49, 110.904, 313.923** is a light color, and the websafe version is hex **9933FF**. The color can be described as light washed purple. A complement of this color would be **91, 100.385, 128.227**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 83.398, 320.819**, and **32, 102.294, 312.380** is the 20% darker color. If you saturate the color by 10%, you get **45, 118.847, 313.630**, and if you desaturate by 10%, it is **54, 99.844, 313.893**.

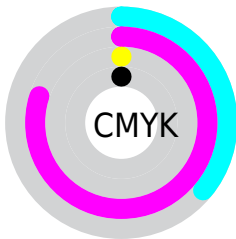
Distribution



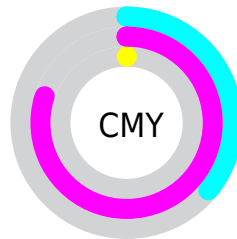
- Red (64%)
- Green (20%)
- Blue (100%)



- Red (64%)
- Yellow (20%)
- Blue (100%)



- Cyan (36%)
- Magenta (80%)
- Yellow (0%)
- Black (0%)





- Cyan (36%)
- Magenta (80%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 110.904, 313.923 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, 110.904, 313.923 by changing the saturation by 10% instead.


 49, 110.904,
313.923


 49, 110.904,
313.923


 100, 110.904,
313.923


 39, 110.904,
313.923


 69, 110.904,
313.923


 29, 110.904,
313.923


 79, 110.904,
313.923


 19, 110.904,
313.923

 89, 110.904,
313.923

 9, 110.904,
313.923

 99, 110.904,
313.923

 0, 110.904,
313.923

 49, 110.904,

 49, 110.904,

313.923

313.923

■ 45, 118.847,
313.630

■ 54, 99.844,
313.893

■ 43, 123.460,
312.953

■ 59, 86.751,
313.624

■ 43, 123.632,
312.922

■ 66, 72.466,
313.215

■ 72, 57.646,
312.736

■ 79, 42.722,
312.234

■ 86, 27.955,
311.740

■ 93, 13.492,
311.266

100, 0.012,
296.813

Harmonies

Complementary

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



49, 110.904, 313.923



91, 100.385, 128.227

Rectangle

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



49, 110.904, 313.923



49, 110.904, 3.923



49, 110.904, 133.923



49, 110.904, 183.923

Sweetspot

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



49, 110.861, 313.930



83, 34.472, 311.957



60, 64.091, 280.757



42, 23.775, 312.134



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, 110.861, 313.930



44, 121.675, 313.295



62, 104.704, 329.802



49, 8.018, 311.263



31, 99.411, 313.117



7, 44.815, 314.320

Inverse Universe

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



58, 78.667, 359.496



55, 83.641, 5.671



88, 108.876, 137.960



50, 6.169, 347.343



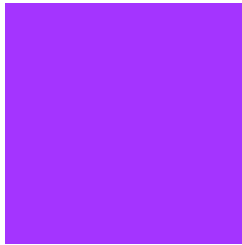
41, 68.001, 7.130



10, 31.477, 0.749

Previews

White Background



This preview shows how the CIE LCh color 49, 110.904, 313.923 looks on a white background.

Color Contrast Check

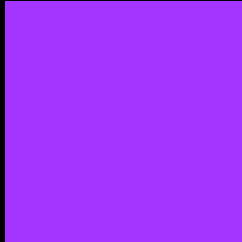
Large Text (above 18pt) WCAG AA ✓ Pass

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, 110.904, 313.923 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

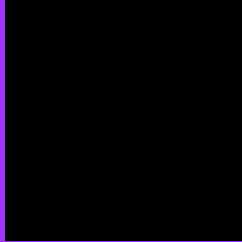
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 110.904, 313.923

Background



This preview shows how black text looks on a background with the CIELCh color 49, 110.904, 313.923.



This preview shows how white text looks on a background with the CIELCh color 49, 110.904, 313.923.

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, 110.904, 313.923

Protanopia

49, 73.327, 287.383

Deuteranopia

49, 52.317, 275.336



Tritanopia
49, 13.050, 357.319

Trichromacy



Original Color
49, 110.904, 313.923



Protanomaly
45, 90.249, 297.580



Deuteranomaly
45, 75.657, 294.390



Tritanomaly
47, 50.240, 319.154

Monochromacy



Original Color
49, 110.904, 313.923



Achromatopsia
46, 0.006, 296.813



Achromatomaly
45, 46.145, 313.036

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 110.904, 313.923 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(164, 52, 255)` looks like.

```
.text, #text, p{  
    color:rgb(164, 52, 255)  
}
```

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(164, 52, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 52, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 110.904, 313.923 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(164, 52, 255) }
```

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

```
.border{ border-color:rgb(164, 52, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 52, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(164, 52, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(164, 52, 255); box-shadow:4px 4px 4px 4px rgb(164, 52, 255) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 110.904, 313.923 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 52, 255) }
```

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

```
.background{ background-color: rgb(164, 52,  
255) }
```

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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