

Converting Colors

CIELCh(47, 109.408, 313.540)

Have a look what the booklet for
CIELCh(47, 109.408, 313.540)
contains.

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Color

CIELCh(47, 109.242, 313.543)

Conversions

Conversions Part 1

Format	Color
Hex	9C31F8
RGB	156, 49, 248
RGB Percent	61%, 19%, 97%
CMY	0.3886, 0.8082, 0.0278
CMYK	0.37, 0.80, 0.00, 0.03
HSL	272°, 93%, 58%
HSV	272°, 80%, 97%
XYZ	31.7174, 16.0195, 90.1562
YIQ	103.6790, -0.1070, 84.5730

Conversions

Conversions Part 2

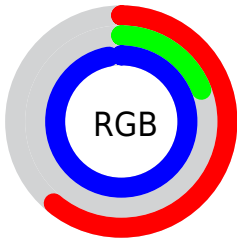
Format	Color
R _Y B	156, 49, 248
Decimal	10236408
CIE Lab	47.00, 75.26, -79.18
CIE LCh	47, 109.242, 313.543
Yxy	16.0195, 0.2300, 0.1162
Android (android.graphics.Color)	4288426488 (0xFF9C31F8)
YUV	103.6790, 71.1503, 45.8855
Hunter-Lab	40.0243, 71.4103, -105.5358

Details

The CIELCh color **47, 109.242, 313.543** 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 **88, 98.299, 127.797**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 85.087, 319.346**, and **30, 100.038, 311.875** is the 20% darker color. If you saturate the color by 10%, you get **43, 116.968, 313.237**, and if you desaturate by 10%, it is **52, 98.510, 313.503**.

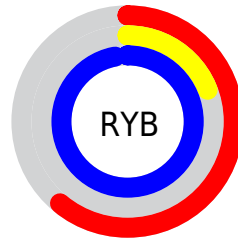
Distribution



Red (61%)

Green (19%)

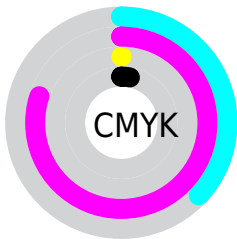
Blue (97%)



Red (61%)

Yellow (19%)

Blue (97%)

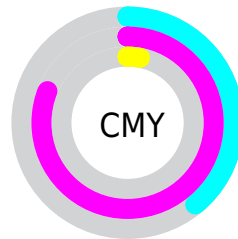


Cyan (37%)

Magenta (80%)

Yellow (0%)

Black (3%)



Cyan (39%)


Magenta (81%)


Yellow (3%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 109.242, 313.543 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 47, 109.242, 313.543 by changing the saturation by 10% instead.


 47, 109.242,
313.543


 47, 109.242,
313.543


 100, 109.242,
313.543


 37, 109.242,
313.543


 67, 109.242,
313.543


 27, 109.242,
313.543


 77, 109.242,
313.543

 17, 109.242,
313.543


 87, 109.242,
313.543

 7, 109.242,
313.543

 97, 109.242,
313.543

 0, 109.242,
313.543

 47, 109.242,

 47, 109.242,

313.543

313.543

■ 43, 116.968,
313.237

■ 52, 98.510,
313.503

■ 41, 121.379,
312.584

■ 57, 85.722,
313.225

■ 63, 71.757,
312.804

■ 70, 57.270,
312.313

■ 77, 42.685,
311.801

■ 83, 28.259,
311.296

■ 90, 14.134,
310.816

■ 97, 0.383, 309.988

100, 3.583,
109.889

Harmonies

Complementary

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



47, 109.242, 313.543



88, 98.299, 127.797

Rectangle

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



47, 109.242, 313.543



47, 109.242, 3.543



47, 109.242, 133.543



47, 109.242, 183.543

Sweetspot

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



47, 109.242, 313.543



83, 34.381, 311.484



59, 61.408, 279.423



42, 23.716, 311.664



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



47, 109.242, 313.543



43, 122.429, 312.861



60, 104.041, 329.206



48, 7.862, 310.779



31, 98.715, 312.773



6, 43.261, 313.782

Inverse Universe

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



56, 77.557, 358.542



55, 83.849, 4.791



86, 107.834, 137.586



49, 6.124, 346.517



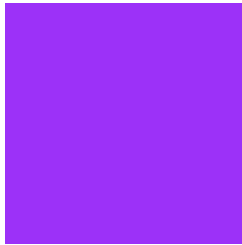
40, 67.331, 5.698



10, 30.760, 359.243

Previews

White Background



This preview shows how the CIELCh color 47, 109.242, 313.543 looks on a white background.

Color Contrast Check

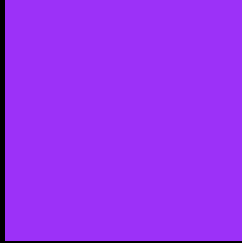
Large Text (above 18pt) WCAG AA ✓ Pass

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 47, 109.242, 313.543 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

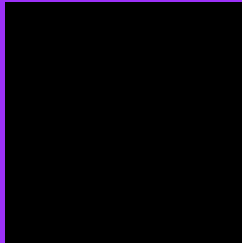
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 109.242, 313.543

Background



This preview shows how black text looks on a background with the CIELCh color 47, 109.242, 313.543.

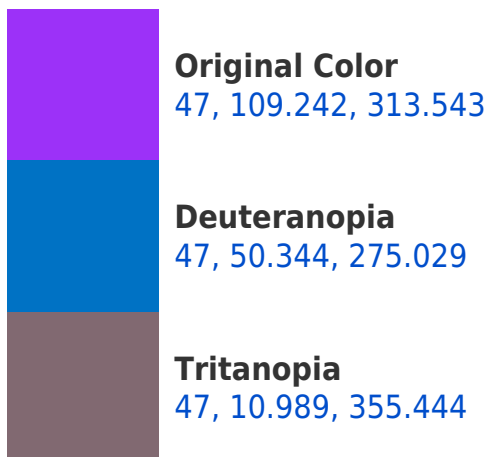


This preview shows how white text looks on a background with the CIELCh color 47, 109.242, 313.543.

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



Trichromacy



Original Color
47, 109.242, 313.543

Deuteranomaly
43, 74.461, 294.752

Tritanomaly
45, 48.916, 317.736

Monochromacy



Original Color
47, 109.242, 313.543

Achromatopsia
44, 0.006, 296.813

Achromatomaly
43, 45.153, 312.661

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 109.242, 313.543 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, 49, 248)` looks like.

```
.text, #text, p{  
    color:rgb(156, 49, 248)  
}
```

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, 49, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 49, 248) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 109.242, 313.543 is called "border". The border property can be set on classes, ids or directly on the HTML element.

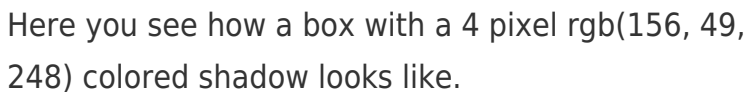
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(156, 49, 248) }
```

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

```
.border{ border-color:rgb(156, 49, 248) }
```

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



Here you see how a box with a 4 pixel `rgb(156, 49, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(156, 49, 248); -webkit-box-shadow:4px 4px 4px 4px rgb(156, 49, 248); box-shadow:4px 4px 4px 4px rgb(156, 49, 248) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 109.242, 313.543 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 49, 248) }
```

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

```
.background{ background-color: rgb(156, 49,  
248) }
```

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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