

Converting Colors

CIELCh(47, 94.487, 313.628)

Have a look what the booklet for
CIELCh(47, 94.487, 313.628)
contains.

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Color

CIELCh(47, 94.388, 313.573)

Conversions

Conversions Part 1

Format	Color
Hex	9940E5
RGB	153, 64, 229
RGB Percent	60%, 25%, 90%
CMY	0.4011, 0.7501, 0.1031
CMYK	0.33, 0.72, 0.00, 0.10
HSL	272°, 76%, 57%
HSV	272°, 72%, 90%
XYZ	29.0011, 16.0195, 75.4784
YIQ	109.4210, 0.0790, 70.1830

Conversions

Conversions Part 2

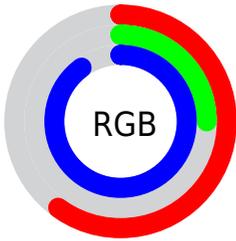
Format	Color
R _{YB}	153, 64, 229
Decimal	10043621
CIE _{Lab}	47.00, 65.06, -68.38
CIE _{LCh}	47, 94.388, 313.573
Yxy	16.0195, 0.2407, 0.1329
Android (android.graphics.Color)	4288233701 (0xFF9940E5)
YUV	109.4210, 58.9524, 38.2188
Hunter-Lab	40.0243, 59.2963, -83.7930

Details

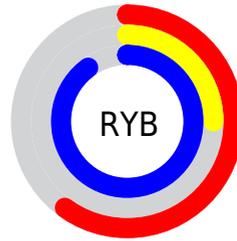
The CIELCh color **47, 94.388, 313.573** is a light color, and the websafe version is hex **9933CC**. The color can be described as light muted purple. A complement of this color would be **83, 85.726, 127.651**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 78.790, 317.439**, and **28, 91.921, 313.066** is the 20% darker color. If you saturate the color by 10%, you get **43, 104.054, 313.565**, and if you desaturate by 10%, it is **52, 82.661, 313.329**.

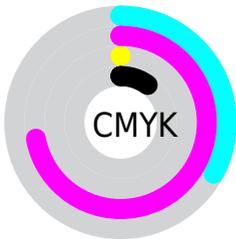
Distribution



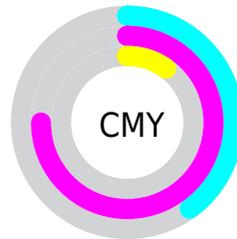
- Red (60%)
- Green (25%)
- Blue (90%)



- Red (60%)
- Yellow (25%)
- Blue (90%)



- Cyan (33%)
- Magenta (72%)
- Yellow (0%)
- Black (10%)



- Cyan (40%)
- Magenta (75%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 94.388, 313.573 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, 94.388, 313.573 by changing the saturation by 10% instead.

 47, 94.388,
313.573

 47, 94.388,
313.573

 100, 94.388,
313.573

 37, 94.388,
313.573

 67, 94.388,
313.573

 27, 94.388,
313.573

 77, 94.388,
313.573

 17, 94.388,
313.573

 87, 94.388,
313.573

 7, 94.388, 313.573

 97, 94.388,
313.573

 0, 94.388, 313.573

 47, 94.388,

 47, 94.388,

313.573

313.573

 43, 104.054,
313.565

 52, 82.661,
313.329

 39, 110.802,
313.199

 58, 69.717,
312.930

 38, 114.113,
312.676

 64, 56.197,
312.450

 70, 42.531,
311.943

 76, 28.978,
311.439

 83, 15.686,
310.957

 89, 2.735, 310.470

 96, 9.843, 130.134

■ 99, 13.611,
120.609

Harmonies

Complementary

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



47, 94.388, 313.573



83, 85.726, 127.651

Rectangle

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



47, 94.388, 313.573



47, 94.388, 3.573



47, 94.388, 133.573



47, 94.388, 183.573

Sweetspot

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



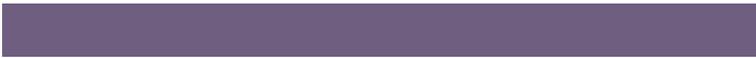
47, 94.387, 313.573



84, 31.450, 311.438



58, 51.734, 275.995



43, 21.200, 311.574



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, 94.387, 313.573



46, 117.361, 313.419



58, 92.275, 328.946



45, 7.333, 310.831



29, 94.651, 312.859



4, 35.867, 312.438

Inverse Universe

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



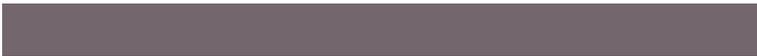
54, 68.469, 356.174



56, 81.886, 1.109



80, 94.638, 138.528



45, 5.703, 346.603



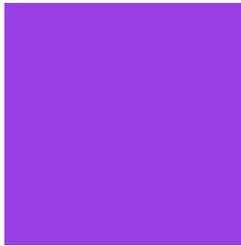
38, 64.608, 5.651



7, 27.269, 357.937

Previews

White Background



This preview shows how the CIELCh color 47, 94.388, 313.573 looks on a white background.

Color Contrast Check

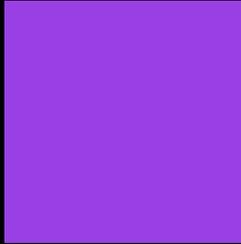
Large Text (above 18pt) WCAG AA ✓ Pass

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, 94.388, 313.573 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

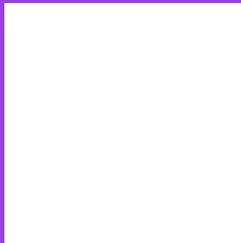
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 47, 94.388, 313.573

Background



This preview shows how black text looks on a background with the CIELCh color 47, 94.388, 313.573.

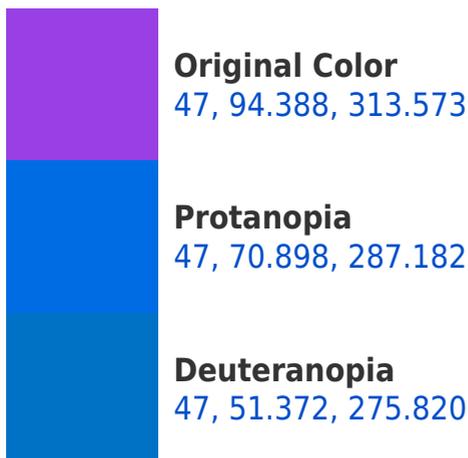


This preview shows how white text looks on a background with the CIELCh color 47, 94.388, 313.573.

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





Tritanopia
47, 12.160, 358.224

Trichromacy



Original Color
47, 94.388, 313.573



Protanomaly
44, 80.387, 295.401



Deuteranomaly
44, 67.290, 291.845



Tritanomaly
46, 42.232, 319.653

Monochromacy



Original Color
47, 94.388, 313.573



Achromatopsia
46, 0.006, 296.813



Achromatomaly
45, 37.572, 312.053

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 94.388, 313.573 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(153, 64, 229)` looks like.

```
.text, #text, p{  
    color:rgb(153, 64, 229)  
}
```

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(153, 64, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 64, 229) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 94.388, 313.573 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(153, 64, 229) }
```

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

```
.border{ border-color:rgb(153, 64, 229) }
```

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

Here you see how a box with a 4 pixel rgb(153, 64, 229) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 64, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 64, 229);  
box-shadow:4px 4px 4px 4px rgb(153, 64,  
229) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 94.388, 313.573 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 64, 229) }
```

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

```
.background{ background-color: rgb(153, 64,  
229) }
```

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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