

Converting Colors

CIELCh(47, 110.632, 312.569)

Have a look what the booklet for
CIELCh(47, 110.632, 312.569)
contains.

CIELCh(47, 110.672, 312.504)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	25
<i>CSS Examples</i>	28

Color

CIELCh(47, 110.672, 312.504)

Conversions

Conversions Part 1

Format	Color
Hex	9733FC
RGB	151, 51, 252
RGB Percent	59%, 20%, 99%
CMY	0.4071, 0.7993, 0.0111
CMYK	0.40, 0.80, 0.00, 0.01
HSL	270°, 97%, 59%
HSV	270°, 80%, 99%
XYZ	31.5853, 16.0195, 93.6656
YIQ	103.8140, -4.9210, 83.7110

Conversions

Conversions Part 2

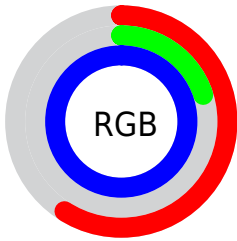
Format	Color
R_{YB}	151, 51, 252
Decimal	9909244
CIE _{Lab}	47.00, 74.77, -81.59
CIE _{LCh}	47, 110.672, 312.504
Yxy	16.0195, 0.2236, 0.1134
Android (android.graphics.Color)	4288099324 (0xFF9733FC)
YUV	103.8140, 73.0557, 41.3821
Hunter-Lab	40.0243, 70.8212, -110.7344

Details

The CIELCh color **47, 110.672, 312.504** 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 **90, 98.002, 126.434**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 83.778, 318.148**, and **29, 102.635, 310.856** is the 20% darker color. If you saturate the color by 10%, you get **43, 119.011, 312.273**, and if you desaturate by 10%, it is **52, 99.336, 312.382**.

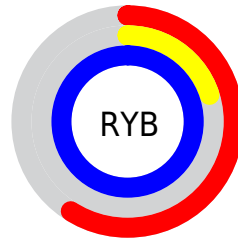
Distribution



Red (59%)

Green (20%)

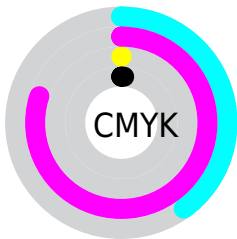
Blue (99%)



Red (59%)

Yellow (20%)

Blue (99%)

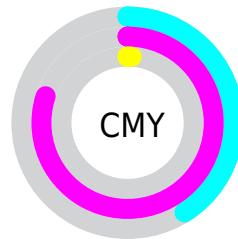


Cyan (40%)

Magenta (80%)

Yellow (0%)

Black (1%)



Cyan (41%)


Magenta (80%)


Yellow (1%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 110.672, 312.504 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, 110.672, 312.504 by changing the saturation by 10% instead.


 47, 110.672,
312.504


 47, 110.672,
312.504


 100, 110.672,
312.504


 37, 110.672,
312.504


 67, 110.672,
312.504


 27, 110.672,
312.504


 77, 110.672,
312.504


 17, 110.672,
312.504


 87, 110.672,
312.504

 7, 110.672,
312.504

 97, 110.672,
312.504

 0, 110.672,
312.504

 47, 110.672,

 47, 110.672,

312.504

312.504

■ 43, 119.011,
312.273

■ 52, 99.336,
312.382

■ 40, 123.929,
311.644

■ 58, 86.040,
312.027

■ 40, 124.057,
311.625

■ 64, 71.692,
311.541

■ 71, 56.933,
310.998

■ 78, 42.163,
310.446

■ 85, 27.613,
309.912

■ 92, 13.408,
309.411

■ 99, 0.395, 129.323

100, 1.423,
110.017

Harmonies

Complementary

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



47, 110.672, 312.504



90, 98.002, 126.434

Rectangle

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



47, 110.672, 312.504



47, 110.672, 2.504



47, 110.672, 132.504



47, 110.672, 182.504

Sweetspot

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



47, 110.672, 312.505



83, 34.138, 310.139



63, 56.693, 273.978



42, 23.558, 310.330



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, 110.672, 312.505



42, 123.435, 311.897



61, 107.525, 327.449



48, 7.796, 309.401



29, 99.576, 311.824



6, 43.243, 312.615

Inverse Universe

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



57, 79.305, 355.216



55, 84.285, 1.009



87, 110.148, 136.907



49, 6.288, 344.272



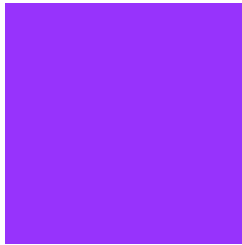
41, 67.599, 1.834



10, 31.088, 356.021

Previews

White Background



This preview shows how the CIELCh color 47, 110.672, 312.504 looks on a white background.

Color Contrast Check

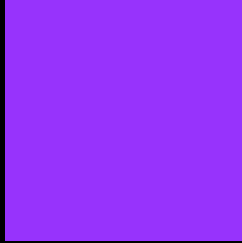
Large Text (above 18pt) WCAG AA ✓ Pass

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, 110.672, 312.504 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

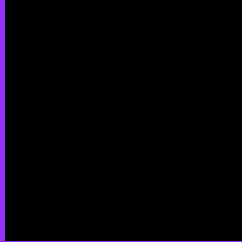
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 110.672, 312.504

Background



This preview shows how black text looks on a background with the CIELCh color 47, 110.672, 312.504.



This preview shows how white text looks on a background with the CIELCh color 47, 110.672, 312.504.

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


47, 110.672, 312.504

Protanopia

47, 70.424, 287.179

Deuteranopia

47, 49.832, 274.621



Tritanopia
47, 7.759, 342.824

Trichromacy



Original Color
47, 110.672, 312.504



Protanomaly
44, 87.914, 297.319



Deuteranomaly
43, 74.412, 294.341



Tritanomaly
45, 48.691, 314.232

Monochromacy



Original Color
47, 110.672, 312.504



Achromatopsia
44, 0.006, 296.813



Achromatomaly
43, 45.447, 311.142

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 110.672, 312.504 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(151, 51, 252)` looks like.

```
.text, #text, p{  
    color:rgb(151, 51, 252)  
}
```

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(151, 51, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 51, 252) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 110.672, 312.504 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(151, 51, 252) }
```

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

```
.border{ border-color:rgb(151, 51, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 51, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 51, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 51, 252);  
box-shadow:4px 4px 4px 4px rgb(151, 51,  
252) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 110.672, 312.504 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 51, 252) }
```

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

```
.background{ background-color: rgb(151, 51,  
252) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor