

Converting Colors

CIELCh(47, 117.177, 315.823)

Have a look what the booklet for
CIELCh(47, 117.177, 315.823)
contains.

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Color

CIELCh(47, 117.062, 315.804)

Conversions

Conversions Part 1

Format	Color
Hex	A817FC
RGB	168, 23, 252
RGB Percent	66%, 9%, 99%
CMY	0.3397, 0.9108, 0.0103
CMYK	0.33, 0.91, 0.00, 0.01
HSL	278°, 98%, 54%
HSV	278°, 91%, 99%
XYZ	34.1567, 16.0195, 93.6876
YIQ	92.4610, 12.9110, 101.9590

Conversions

Conversions Part 2

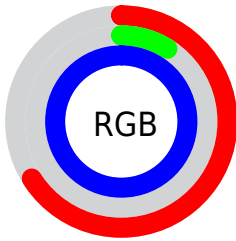
Format	Color
R_{YB}	168, 23, 252
Decimal	11016188
CIE _{Lab}	47.00, 83.93, -81.61
CIE _{LCh}	47, 117.062, 315.804
Yxy	16.0195, 0.2374, 0.1114
Android (android.graphics.Color)	4289206268 (0xFFA817FC)
YUV	92.4610, 78.6527, 66.2477
Hunter-Lab	40.0243, 82.2890, -110.7671

Details

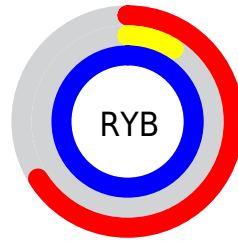
The CIELCh color **47, 117.062, 315.804** is a dark color, and the websafe version is hex **9900FF**. The color can be described as middle washed purple. A complement of this color would be **88, 109.440, 131.223**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 91.681, 322.408**, and **32, 100.606, 312.966** is the 20% darker color. If you saturate the color by 10%, you get **45, 120.509, 315.170**, and if you desaturate by 10%, it is **50, 110.291, 316.204**.

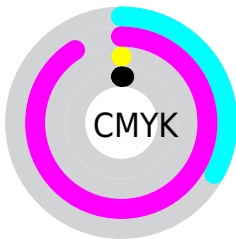
Distribution



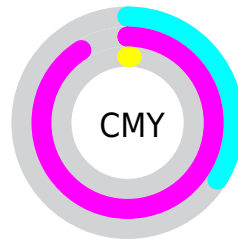
- Red (66%)
- Green (9%)
- Blue (99%)



- Red (66%)
- Yellow (9%)
- Blue (99%)



- Cyan (33%)
- Magenta (91%)
- Yellow (0%)
- Black (1%)





- Cyan (34%)
- Magenta (91%)
- Yellow (1%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 117.062, 315.804 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, 117.062, 315.804 by changing the saturation by 10% instead.


 47, 117.062,
315.804


 47, 117.062,
315.804


 100, 117.062,
315.804


 37, 117.062,
315.804

 67, 117.062,
315.804


 27, 117.062,
315.804


 77, 117.062,
315.804


 17, 117.062,
315.804


 87, 117.062,
315.804

 7, 117.062,
315.804

 97, 117.062,
315.804

 0, 117.062,
315.804

 47, 117.062,

 47, 117.062,

315.804

315.804

■ 45, 120.509,
315.170

■ 50, 110.291,
316.204

■ 54, 100.405,
316.285

■ 60, 88.181,
316.130

■ 65, 74.462,
315.820

■ 71, 59.939,
315.419

■ 78, 45.108,
314.973

■ 85, 30.291,
314.516

■ 92, 15.684,
314.065

Harmonies

Complementary

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



47, 117.062, 315.804



88, 109.440, 131.223

Rectangle

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



47, 117.062, 315.804



47, 117.062, 5.804



47, 117.062, 135.804



47, 117.062, 185.804

Sweetspot

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



47, 117.062, 315.804



81, 39.520, 314.792



49, 84.632, 291.990



41, 26.699, 314.948



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, 117.062, 315.804



45, 121.468, 315.164



59, 102.175, 333.896



48, 8.037, 313.999



33, 96.730, 315.357



7, 43.144, 316.617

Inverse Universe

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



54, 82.337, 11.355



54, 85.816, 16.169



87, 111.461, 138.172



49, 5.772, 352.401



40, 68.187, 15.060



9, 30.456, 7.227

Previews

White Background



This preview shows how the CIELCh color 47, 117.062, 315.804 looks on a white background.

Color Contrast Check

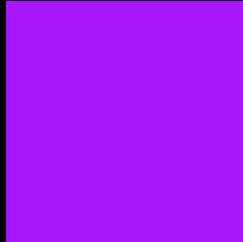
Large Text (above 18pt) WCAG AA ✓ Pass

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 47, 117.062, 315.804 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

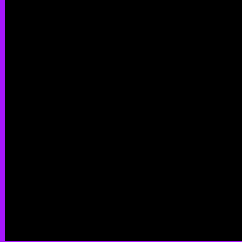
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 47, 117.062, 315.804

Background



This preview shows how black text looks on a background with the CIELCh color 47, 117.062, 315.804.



This preview shows how white text looks on a background with the CIELCh color 47, 117.062, 315.804.

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, 116.894, 315.782

Protanopia

47, 70.354, 286.983

Deuteranopia

47, 50.330, 274.771



Tritanopia
47, 18.339, 7.124

Trichromacy



Original Color
47, 116.894, 315.782



Protanomaly
42, 93.959, 299.985



Deuteranomaly
41, 81.238, 297.901



Tritanomaly
44, 57.165, 324.423

Monochromacy



Original Color
47, 116.894, 315.782



Achromatopsia
39, 0.006, 296.813



Achromatomaly
38, 52.865, 316.040

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 117.062, 315.804 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(168, 23, 252)` looks like.

```
.text, #text, p{  
    color:rgb(168, 23, 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(168, 23, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 23, 252) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 117.062, 315.804 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(168, 23, 252) }
```

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

```
.border{ border-color:rgb(168, 23, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 23, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 23, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 23, 252);  
box-shadow:4px 4px 4px 4px rgb(168, 23,  
252) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 117.062, 315.804 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 23, 252) }
```

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

```
.background{ background-color: rgb(168, 23,  
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](#).

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