

Converting Colors

CIELCh(48, 105.851, 304.164)

Have a look what the booklet for
CIELCh(48, 105.851, 304.164)
contains.

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Color

CIELCh(47, 100.724, 304.163)

Conversions

Conversions Part 1

Format	Color
Hex	6A50FF
RGB	106, 80, 255
RGB Percent	42%, 31%, 100%
CMY	0.5843, 0.6863, 0.0000
CMYK	0.58, 0.69, 0.00, 0.00
HSL	249°, 100%, 66%
HSV	249°, 69%, 100%
XYZ	26.8596, 16.0195, 96.2787
YIQ	107.7240, -40.6790, 59.9370

Conversions

Conversions Part 2

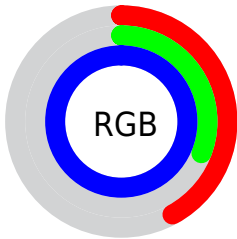
Format	Color
R_{YB}	106, 80, 255
Decimal	6967551
CIE _{Lab}	47.00, 56.56, -83.34
CIE _{LCh}	47, 100.724, 304.163
Yxy	16.0195, 0.1930, 0.1151
Android (android.graphics.Color)	4285157631 (0xFF6A50FF)
YUV	107.7240, 72.6071, -1.5119
Hunter-Lab	40.0243, 49.7456, -114.6054

Details

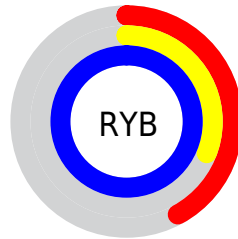
The CIELCh color **47, 100.724, 304.163** is a dark color, and the websafe version is hex **6666FF**. The color can be described as middle muted purple. A complement of this color would be **95, 82.220, 111.409**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **63, 69.982, 305.948**, and **27, 100.989, 304.233** is the 20% darker color. If you saturate the color by 10%, you get **41, 114.784, 305.496**, and if you desaturate by 10%, it is **54, 85.337, 302.677**.

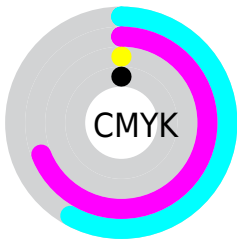
Distribution



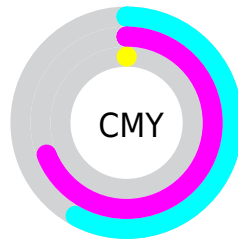
- Red (42%)
- Green (31%)
- Blue (100%)



- Red (42%)
- Yellow (31%)
- Blue (100%)



- Cyan (58%)
- Magenta (69%)
- Yellow (0%)
- Black (0%)





- Cyan (58%)
- Magenta (69%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 100.724, 304.163 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, 100.724, 304.163 by changing the saturation by 10% instead.


 47, 100.724,
304.163


 47, 100.724,
304.163


 100, 100.724,
304.163


 37, 100.724,
304.163


 67, 100.724,
304.163


 27, 100.724,
304.163


 77, 100.724,
304.163

 17, 100.724,
304.163


 87, 100.724,
304.163

 7, 100.724,
304.163

 97, 100.724,
304.163

 0, 100.724,
304.163

 47, 100.724,

 47, 100.724,

304.163

■ 41, 114.784,
305.496

■ 36, 125.775,
306.421

■ 33, 132.102,
306.744

■ 33, 132.764,
306.778

304.163

■ 54, 85.337,
302.677

■ 62, 69.701,
301.209

■ 69, 54.346,
299.854

■ 77, 39.485,
298.646

■ 85, 25.183,
297.593

■ 93, 11.440,
296.684

■ 100, 0.009,
299.128

Harmonies

Complementary

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



47, 100.724, 304.163



95, 82.220, 111.409

Rectangle

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



47, 100.724, 304.163



47, 100.724, 354.163



47, 100.724, 124.163



47, 100.724, 174.163

Sweetspot

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



47, 100.724, 304.164



83, 28.522, 297.829



85, 39.669, 215.323



42, 19.412, 298.115



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, 100.724, 304.164



39, 118.934, 305.867



56, 98.519, 316.241



49, 7.550, 296.758



24, 106.789, 306.866



4, 44.458, 304.599

Inverse Universe

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



64, 90.131, 333.128



60, 98.945, 334.020



91, 92.505, 130.551



50, 8.174, 329.343



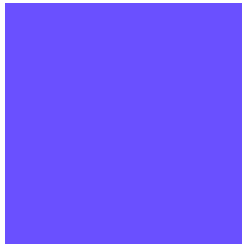
44, 82.850, 335.205



12, 38.646, 334.243

Previews

White Background



This preview shows how the CIELCh color 47, 100.724, 304.163 looks on a white background.

Color Contrast Check

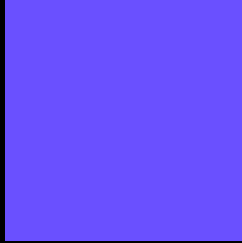
Large Text (above 18pt) WCAG AA ✓ Pass

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, 100.724, 304.163 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

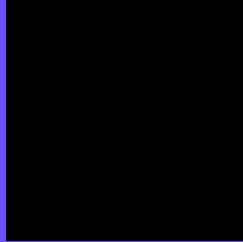
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 100.724, 304.163

Background



This preview shows how black text looks on a background with the CIELCh color 47, 100.724, 304.163.



This preview shows how white text looks on a background with the CIELCh color 47, 100.724, 304.163.

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, 100.724, 304.163

Protanopia

47, 70.424, 287.179

Deuteranopia

47, 49.322, 274.205



Tritanopia
47, 21.570, 213.437

Trichromacy



Original Color
47, 100.724, 304.163



Protanomaly
46, 82.395, 293.707



Deuteranomaly
45, 67.691, 288.979



Tritanomaly
45, 42.131, 283.464

Monochromacy



Original Color
47, 100.724, 304.163



Achromatopsia
46, 0.006, 296.813



Achromatomaly
45, 37.823, 299.592

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 100.724, 304.163 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(106, 80, 255)` looks like.

```
.text, #text, p{  
  color:rgb(106, 80, 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(106, 80, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 80, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 100.724, 304.163 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(106, 80, 255) }
```

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

```
.border{ border-color:rgb(106, 80, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 80, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 80, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 80, 255);  
box-shadow:4px 4px 4px 4px rgb(106, 80,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 100.724, 304.163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 80, 255) }
```

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

```
.background{ background-color: rgb(106, 80,  
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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