

Converting Colors

CIELCh(52, 131.504, 306.062)

Have a look what the booklet for
CIELCh(52, 131.504, 306.062)
contains.

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Color

CIELCh(47, 104.001, 306.552)

Conversions

Conversions Part 1

Format	Color
Hex	7749FF
RGB	119, 73, 255
RGB Percent	47%, 29%, 100%
CMY	0.5314, 0.7122, 0.0000
CMYK	0.53, 0.71, 0.00, 0.00
HSL	255°, 100%, 64%
HSV	255°, 71%, 100%
XYZ	28.2017, 16.0195, 96.5834
YIQ	107.5020, -31.0060, 66.3540

Conversions

Conversions Part 2

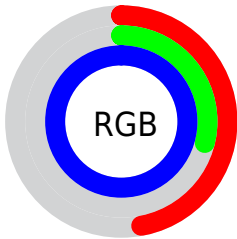
Format	Color
R_{YB}	119, 73, 255
Decimal	7817727
CIE _{Lab}	47.00, 61.94, -83.55
CIE _{LCh}	47, 104.001, 306.552
Yxy	16.0195, 0.2003, 0.1138
Android (android.graphics.Color)	4286007807 (0xFF7749FF)
YUV	107.5020, 72.7165, 10.0837
Hunter-Lab	40.0243, 55.7313, -115.0568

Details

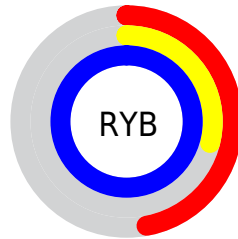
The CIELCh color **47, 104.001, 306.552** is a dark color, and the websafe version is hex **6633FF**. The color can be described as middle washed purple. A complement of this color would be **94, 85.957, 116.342**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **63, 73.355, 309.665**, and **27, 104.088, 306.548** is the 20% darker color. If you saturate the color by 10%, you get **41, 116.660, 307.354**, and if you desaturate by 10%, it is **54, 89.123, 305.541**.

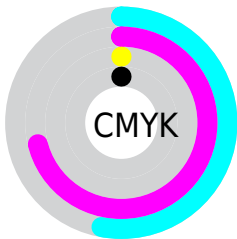
Distribution



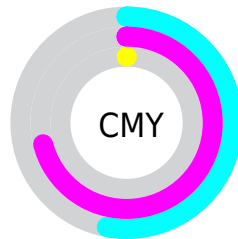
- Red (47%)
- Green (29%)
- Blue (100%)



- Red (47%)
- Yellow (29%)
- Blue (100%)



- Cyan (53%)
- Magenta (71%)
- Yellow (0%)
- Black (0%)





- Cyan (53%)
- Magenta (71%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 104.001, 306.552 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, 104.001, 306.552 by changing the saturation by 10% instead.


 47, 104.001,
306.552


 47, 104.001,
306.552


 100, 104.001,
306.552


 37, 104.001,
306.552


 67, 104.001,
306.552


 27, 104.001,
306.552


 77, 104.001,
306.552

 17, 104.001,
306.552


 87, 104.001,
306.552

 7, 104.001,
306.552

 97, 104.001,
306.552

 0, 104.001,
306.552

 47, 104.001,

 47, 104.001,

306.552

■ 41, 116.660,
307.354

■ 37, 126.175,
307.714

■ 35, 131.113,
307.621

306.552

■ 54, 89.123,
305.541

■ 61, 73.823,
304.456

■ 68, 58.533,
303.403

■ 76, 43.574,
302.432

■ 84, 29.080,
301.561

■ 91, 15.097,
300.795

■ 99, 1.625, 300.108

■ 100, 0.012,
296.813

Harmonies

Complementary

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



47, 104.001, 306.552



94, 85.957, 116.342

Rectangle

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



47, 104.001, 306.552



47, 104.001, 356.552



47, 104.001, 126.552



47, 104.001, 176.552

Sweetspot

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



47, 103.783, 306.560



84, 28.763, 301.543



79, 39.730, 235.675



42, 19.567, 301.772



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, 103.783, 306.560



40, 120.738, 307.552



58, 101.292, 319.798



49, 7.624, 300.673



25, 105.402, 307.757



4, 44.665, 306.663

Inverse Universe

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



62, 85.996, 338.145



59, 93.156, 339.752



90, 98.348, 133.510



50, 7.586, 333.080



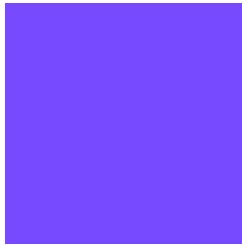
43, 76.643, 341.660



11, 36.033, 339.645

Previews

White Background



This preview shows how the CIELCh color 47, 104.001, 306.552 looks on a white background.

Color Contrast Check

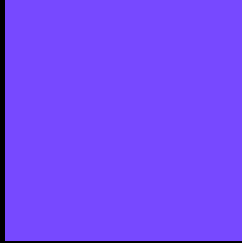
Large Text (above 18pt) WCAG AA ✓ Pass

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, 104.001, 306.552 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

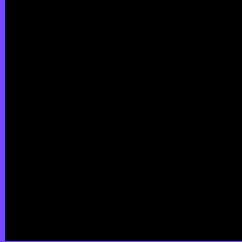
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 104.001, 306.552

Background



This preview shows how black text looks on a background with the CIELCh color 47, 104.001, 306.552.

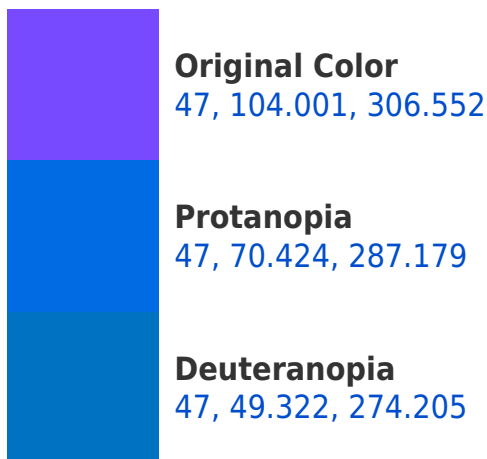


This preview shows how white text looks on a background with the CIELCh color 47, 104.001, 306.552.

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, 14.560, 219.701

Trichromacy



Original Color
47, 104.001, 306.552



Protanomaly
45, 83.607, 294.512



Deuteranomaly
45, 69.514, 290.463



Tritanomaly
45, 42.860, 292.662

Monochromacy



Original Color
47, 104.001, 306.552



Achromatopsia
46, 0.006, 296.813



Achromatomaly
45, 39.963, 303.374

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 104.001, 306.552 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(119, 73, 255)` looks like.

```
.text, #text, p{  
    color:rgb(119, 73, 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(119, 73, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 73, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 104.001, 306.552 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(119, 73, 255) }
```

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

```
.border{ border-color:rgb(119, 73, 255) }
```

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

Here you see how a box with a 4 pixel rgb(119, 73, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 73, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 73, 255);  
box-shadow:4px 4px 4px 4px rgb(119, 73,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 104.001, 306.552 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 73, 255) }
```

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

```
.background{ background-color: rgb(119, 73,  
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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