

Converting Colors

CIELCh(52, 131.537, 306.401)

Have a look what the booklet for
CIELCh(52, 131.537, 306.401)
contains.

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Color

CIELCh(47, 104.852, 307.247)

Conversions

Conversions Part 1

Format	Color
Hex	7B47FF
RGB	123, 71, 255
RGB Percent	48%, 28%, 100%
CMY	0.5163, 0.7205, 0.0000
CMYK	0.52, 0.72, 0.00, 0.00
HSL	257°, 100%, 64%
HSV	257°, 72%, 100%
XYZ	28.5901, 16.0195, 96.4628
YIQ	107.5240, -28.0720, 68.2480

Conversions

Conversions Part 2

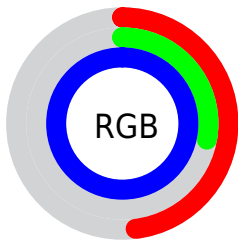
Format	Color
R _Y B	123, 71, 255
Decimal	8079359
CIE Lab	47.00, 63.46, -83.47
CIE LCh	47, 104.852, 307.247
Yxy	16.0195, 0.2027, 0.1136
Android (android.graphics.Color)	4286269439 (0xFF7B47FF)
YUV	107.5240, 72.7057, 13.5725
Hunter-Lab	40.0243, 57.4633, -114.8782

Details

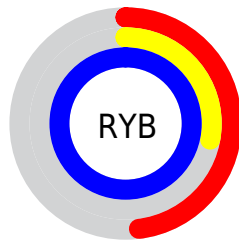
The CIELCh color $47, 104.852, 307.247$ is a dark color, and the websafe version is hex $6633FF$. The color can be described as middle washed purple. A complement of this color would be $94, 87.209, 117.678$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $63, 74.656, 310.663$, and $27, 104.886, 307.277$ is the 20% darker color. If you saturate the color by 10%, you get $41, 117.165, 307.907$, and if you desaturate by 10%, it is $53, 90.296, 306.358$.

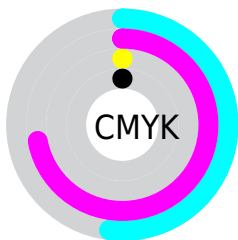
Distribution



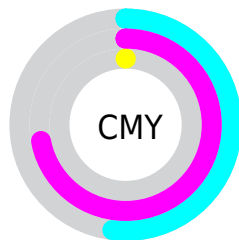
- Red (48%)
- Green (28%)
- Blue (100%)



- Red (48%)
- Yellow (28%)
- Blue (100%)



- Cyan (52%)
- Magenta (72%)
- Yellow (0%)
- Black (0%)





- Cyan (52%)
- Magenta (72%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 104.852, 307.247 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, 104.852, 307.247 by changing the saturation by 10% instead.


 47, 104.852,
307.247


 47, 104.852,
307.247


 100, 104.852,
307.247


 37, 104.852,
307.247


 67, 104.852,
307.247


 27, 104.852,
307.247


 77, 104.852,
307.247

 17, 104.852,
307.247


 87, 104.852,
307.247

 7, 104.852,
307.247

 97, 104.852,
307.247

 0, 104.852,
307.247

 47, 104.852,

 47, 104.852,

307.247

307.247

■ 41, 117.165,
307.907

■ 53, 90.296,
306.358

■ 37, 126.192,
308.118

■ 60, 75.128,
305.372

■ 35, 130.517,
307.948

■ 68, 59.876,
304.397

■ 75, 44.895,
303.487

■ 83, 30.344,
302.663

■ 91, 16.284,
301.932

■ 98, 2.725, 301.277

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, 104.852, 307.247



94, 87.209, 117.678

Rectangle

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



47, 104.852, 307.247



47, 104.852, 357.247



47, 104.852, 127.247



47, 104.852, 177.247

Sweetspot

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



47, 104.694, 307.255



83, 30.279, 302.659



77, 40.673, 241.717



42, 20.444, 302.873



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, 104.694, 307.255



40, 121.231, 308.054



58, 102.116, 320.842



49, 7.651, 301.760



25, 104.914, 308.096



4, 44.723, 307.324

Inverse Universe

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



62, 84.950, 339.768



58, 91.666, 341.655



90, 100.050, 134.218



50, 7.428, 334.236



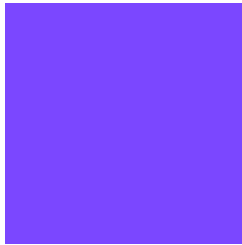
43, 75.121, 343.726



11, 35.371, 341.354

Previews

White Background



This preview shows how the CIELCh color 47, 104.852, 307.247 looks on a white background.

Color Contrast Check

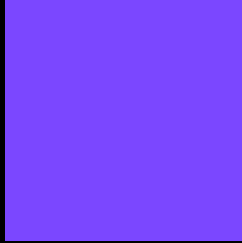
Large Text (above 18pt) WCAG AA ✓ Pass

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, 104.852, 307.247 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

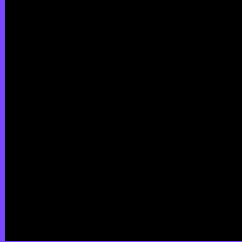
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 104.852, 307.247

Background



This preview shows how black text looks on a background with the CIELCh color 47, 104.852, 307.247.



This preview shows how white text looks on a background with the CIELCh color 47, 104.852, 307.247.

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, 104.852, 307.247

Protanopia

47, 70.424, 287.179

Deuteranopia

47, 49.322, 274.205



Tritanopia
47, 12.841, 222.964

Trichromacy



Original Color
47, 104.852, 307.247



Protanomaly
45, 84.211, 294.914



Deuteranomaly
45, 70.115, 291.007



Tritanomaly
45, 42.873, 294.998

Monochromacy



Original Color
47, 104.852, 307.247



Achromatopsia
46, 0.006, 296.813



Achromatomaly
45, 40.038, 304.326

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 104.852, 307.247 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(123, 71, 255)` looks like.

```
.text, #text, p{  
    color:rgb(123, 71, 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(123, 71, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 71, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 104.852, 307.247 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(123, 71, 255) }
```

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

```
.border{ border-color:rgb(123, 71, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 71, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 71, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 71, 255);  
box-shadow:4px 4px 4px 4px rgb(123, 71,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 104.852, 307.247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 71, 255) }
```

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

```
.background{ background-color: rgb(123, 71,  
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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