

Converting Colors

CIELCh(52, 131.306, 306.509)

Have a look what the booklet for
CIELCh(52, 131.306, 306.509)
contains.

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Color

CIELCh(47, 104.809, 307.363)

Conversions

Conversions Part 1

Format	Color
Hex	7C47FF
RGB	124, 71, 255
RGB Percent	49%, 28%, 100%
CMY	0.5136, 0.7215, 0.0000
CMYK	0.51, 0.72, 0.00, 0.00
HSL	257°, 100%, 64%
HSV	257°, 72%, 100%
XYZ	28.6267, 16.0195, 96.2177
YIQ	107.8230, -27.4760, 68.4600

Conversions

Conversions Part 2

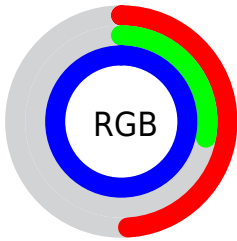
Format	Color
R _Y B	124, 71, 255
Decimal	8144895
CIE Lab	47.00, 63.60, -83.30
CIE LCh	47, 104.809, 307.363
Yxy	16.0195, 0.2032, 0.1137
Android (android.graphics.Color)	4286334975 (0xFF7C47FF)
YUV	107.8230, 72.5583, 14.1872
Hunter-Lab	40.0243, 57.6264, -114.5151

Details

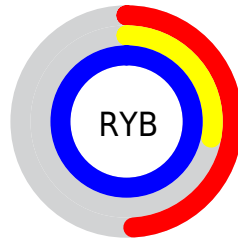
The CIELCh color $47, 104.809, 307.363$ is a dark color, and the websafe version is hex $6633FF$. The color can be described as middle washed purple. A complement of this color would be $94, 87.387, 117.890$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $63, 74.690, 310.894$, and $27, 104.808, 307.339$ is the 20% darker color. If you saturate the color by 10%, you get $42, 117.206, 307.995$, and if you desaturate by 10%, it is $53, 90.435, 306.486$.

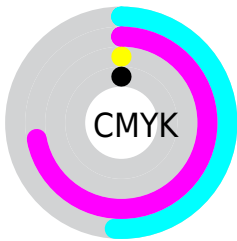
Distribution



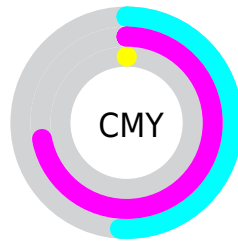
- Red (49%)
- Green (28%)
- Blue (100%)



- Red (49%)
- Yellow (28%)
- Blue (100%)



- Cyan (51%)
- Magenta (72%)
- Yellow (0%)
- Black (0%)





- Cyan (51%)
- Magenta (72%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 104.809, 307.363 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, 104.809, 307.363 by changing the saturation by 10% instead.

 47, 104.809,
307.363


 47, 104.809,
307.363


 100, 104.809,
307.363


 37, 104.809,
307.363


 67, 104.809,
307.363


 27, 104.809,
307.363


 77, 104.809,
307.363


 17, 104.809,
307.363


 87, 104.809,
307.363

 7, 104.809,
307.363

 97, 104.809,
307.363

 0, 104.809,
307.363

 47, 104.809,

 47, 104.809,

307.363

307.363

■ 42, 117.206,
307.995

■ 53, 90.435,
306.486

■ 37, 126.167,
308.184

■ 60, 75.288,
305.516

■ 35, 130.417,
308.005

■ 68, 60.044,
304.554

■ 75, 45.061,
303.652

■ 83, 30.503,
302.836

■ 91, 16.432,
302.111

■ 98, 2.860, 301.461

■ 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, 104.809, 307.363



94, 87.387, 117.890

Rectangle

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



47, 104.809, 307.363



47, 104.809, 357.363



47, 104.809, 127.363



47, 104.809, 177.363

Sweetspot

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



47, 104.793, 307.365



83, 30.294, 302.825



77, 40.707, 241.752



42, 20.454, 303.037



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, 104.793, 307.365



39, 122.078, 308.154



58, 102.216, 320.842



49, 7.656, 301.934



26, 104.832, 308.154



5, 44.732, 307.432

Inverse Universe

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



62, 84.763, 340.033



58, 91.646, 342.105



90, 100.151, 134.215



50, 7.403, 334.427



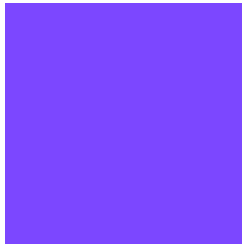
43, 74.887, 344.068



11, 35.268, 341.636

Previews

White Background



This preview shows how the CIELCh color 47, 104.809, 307.363 looks on a white background.

Color Contrast Check

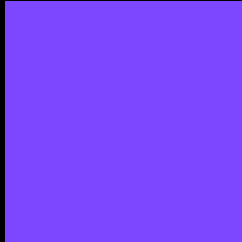
Large Text (above 18pt) WCAG AA ✓ Pass

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, 104.809, 307.363 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, 104.809, 307.363

Background



This preview shows how black text looks on a background with the CIELCh color 47, 104.809, 307.363.

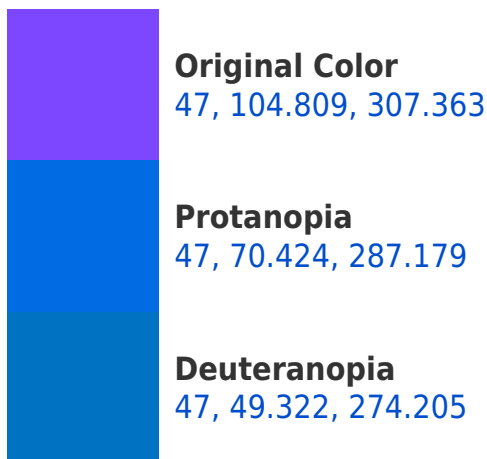


This preview shows how white text looks on a background with the CIELCh color 47, 104.809, 307.363.

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, 12.256, 224.280

Trichromacy



Original Color
47, 104.809, 307.363



Protanomaly
45, 84.211, 294.914



Deuteranomaly
45, 70.115, 291.007



Tritanomaly
45, 42.869, 295.389

Monochromacy



Original Color
47, 104.809, 307.363



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, 104.809, 307.363 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(124, 71, 255)` looks like.

```
.text, #text, p{  
    color:rgb(124, 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(124, 71, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 71, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 104.809, 307.363 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(124, 71, 255) }
```

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

```
.border{ border-color:rgb(124, 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(124, 71, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 71, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 71, 255);  
box-shadow:4px 4px 4px 4px rgb(124, 71,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 104.809, 307.363 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 71, 255) }
```

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

```
.background{ background-color: rgb(124, 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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