

Converting Colors

CIELCh(47, 82.694, 305.412)

Have a look what the booklet for
CIELCh(47, 82.694, 305.412)
contains.

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Color

CIELCh(47, 82.928, 305.462)

Conversions

Conversions Part 1

Format	Color
Hex	7855E3
RGB	120, 85, 227
RGB Percent	47%, 33%, 89%
CMY	0.5296, 0.6669, 0.1100
CMYK	0.47, 0.63, 0.00, 0.11
HSL	255°, 72%, 61%
HSV	255°, 63%, 89%
XYZ	24.8375, 16.0195, 74.4103
YIQ	111.6530, -24.7220, 51.5820

Conversions

Conversions Part 2

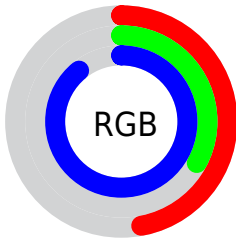
Format	Color
R _Y B	120, 85, 227
Decimal	7886307
CIE Lab	47.00, 48.11, -67.54
CIE LCh	47, 82.928, 305.462
Yxy	16.0195, 0.2155, 0.1390
Android (android.graphics.Color)	4286076387 (0xFF7855E3)
YUV	111.6530, 56.8661, 7.3203
Hunter-Lab	40.0243, 40.7274, -82.2107

Details

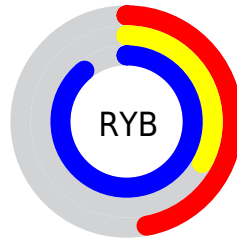
The CIELCh color **47, 82.928, 305.462** is a dark color, and the websafe version is hex **9966FF**. The color can be described as middle muted purple. A complement of this color would be **85, 70.696, 116.176**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 67.166, 307.187**, and **27, 82.848, 305.515** is the 20% darker color. If you saturate the color by 10%, you get **41, 96.205, 306.492**, and if you desaturate by 10%, it is **54, 69.008, 304.360**.

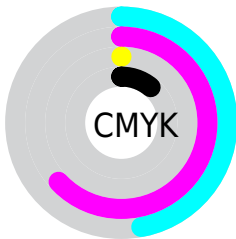
Distribution



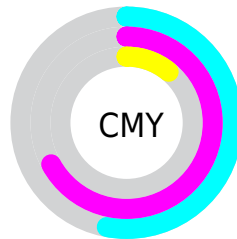
- Red (47%)
- Green (33%)
- Blue (89%)



- Red (47%)
- Yellow (33%)
- Blue (89%)



- Cyan (47%)
- Magenta (63%)
- Yellow (0%)
- Black (11%)



- Cyan (53%)
- Magenta (67%)
- Yellow (11%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 82.928, 305.462 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, 82.928, 305.462 by changing the saturation by 10% instead.

 47, 82.928,
305.462

 47, 82.928,
305.462

 100, 82.928,
305.462

 37, 82.928,
305.462

 67, 82.928,
305.462

 27, 82.928,
305.462

 77, 82.928,
305.462

 17, 82.928,
305.462

 87, 82.928,
305.462

 7, 82.928, 305.462

 97, 82.928,
305.462

 0, 82.928, 305.462

 47, 82.928,

 47, 82.928,

305.462

305.462

41, 96.205,
306.492

54, 69.008,
304.360

36, 107.762,
307.282

60, 55.066,
303.286

32, 116.148,
307.624

67, 41.412,
302.293

30, 120.097,
307.595

74, 28.177,
301.402

81, 15.405,
300.617

88, 3.098, 299.925

95, 8.759, 119.346

99, 14.200,
109.104

Harmonies

Complementary

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



47, 82.928, 305.462



85, 70.696, 116.176

Rectangle

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



47, 82.928, 305.462



47, 82.928, 355.462



47, 82.928, 125.462



47, 82.928, 175.462

Sweetspot

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



47, 82.928, 305.463



85, 25.908, 301.120



74, 33.449, 230.431



43, 17.926, 301.355



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, 82.928, 305.463



45, 109.008, 306.756



55, 83.186, 319.190



43, 6.857, 300.391



22, 99.112, 307.726



3, 32.135, 301.798

Inverse Universe

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



59, 72.167, 336.897



61, 88.940, 338.171



82, 80.414, 133.451



44, 6.866, 332.790



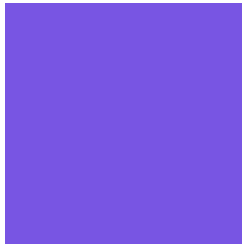
39, 72.486, 341.064



7, 30.419, 338.504

Previews

White Background



This preview shows how the CIELCh color 47, 82.928, 305.462 looks on a white background.

Color Contrast Check

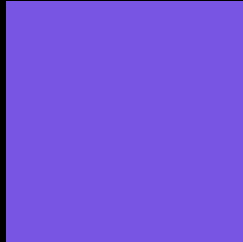
Large Text (above 18pt) WCAG AA ✓ Pass

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, 82.928, 305.462 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

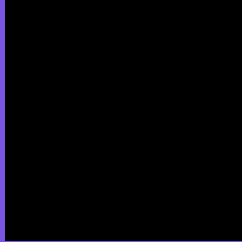
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 82.928, 305.462

Background



This preview shows how black text looks on a background with the CIELCh color 47, 82.928, 305.462.

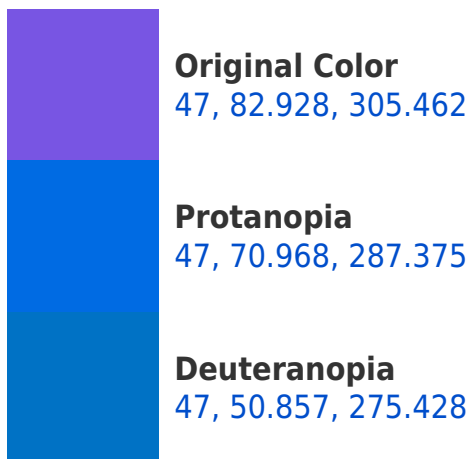



This preview shows how white text looks on a background with the CIELCh color 47, 82.928, 305.462.

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, 9.913, 231.316

Trichromacy



Original Color
47, 82.928, 305.462



Protanomaly
46, 75.584, 292.170



Deuteranomaly
45, 62.554, 287.490



Tritanomaly
46, 33.873, 293.556

Monochromacy



Original Color
47, 82.928, 305.462



Achromatopsia
47, 0.006, 296.813



Achromatomaly
46, 31.339, 302.437

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 82.928, 305.462 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(120, 85, 227)` looks like.

```
.text, #text, p{  
    color:rgb(120, 85, 227)  
}
```

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(120, 85, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 85, 227) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 82.928, 305.462 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(120, 85, 227) }
```

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

```
.border{ border-color:rgb(120, 85, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 85, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 85, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 85, 227);  
box-shadow:4px 4px 4px 4px rgb(120, 85,  
227) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 82.928, 305.462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 85, 227) }
```

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

```
.background{ background-color: rgb(120, 85,  
227) }
```

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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