

# Converting Colors

CIELCh(47, 82.920, 303.076)

Have a look what the booklet for  
CIELCh(47, 82.920, 303.076)  
contains.

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**Color**

**CIELCh(47, 82.920, 303.076)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6D58E6
RGB	109, 88, 230
RGB Percent	43%, 35%, 90%
CMY	0.5713, 0.6539, 0.0969
CMYK	0.53, 0.62, 0.00, 0.10
HSL	249°, 74%, 62%
HSV	249°, 62%, 90%
XYZ	24.1772, 16.0195, 76.8928
YIQ	110.4670, -33.0660, 48.6140

# Conversions

## Conversions Part 2

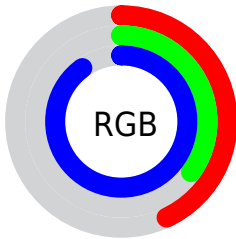
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	109, 88, 230
Decimal	7166182
CIE Lab	47.00, 45.25, -69.48
CIE LCh	47, 82.920, 303.076
Yxy	16.0195, 0.2065, 0.1368
Android (android.graphics.Color)	4285356262 (0xFF6D58E6)
YUV	110.4670, 58.9298, -1.2866
Hunter-Lab	40.0243, 37.7827, -85.8882

# Details

The CIELCh color **47, 82.920, 303.076** 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 **88, 69.663, 111.681**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 65.042, 303.986**, and **27, 82.502, 302.954** is the 20% darker color. If you saturate the color by 10%, you get **41, 96.885, 304.537**, and if you desaturate by 10%, it is **54, 68.520, 301.599**.

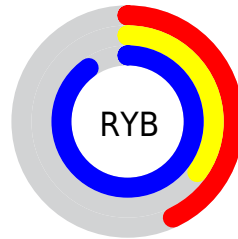
# Distribution



Red (43%)

Green (35%)

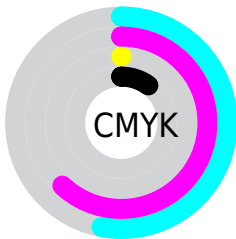
Blue (90%)



Red (43%)

Yellow (35%)

Blue (90%)

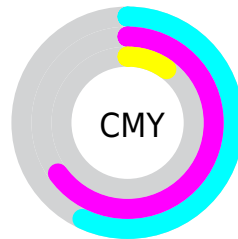


Cyan (53%)

Magenta (62%)

Yellow (0%)

Black (10%)



Cyan (57%)

Magenta (65%)


Yellow (10%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 82.920, 303.076 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, 82.920, 303.076 by changing the saturation by 10% instead.





 47, 82.920,  
303.076


 47, 82.920,  
303.076


 100, 82.920,  
303.076


 37, 82.920,  
303.076

 67, 82.920,  
303.076


 27, 82.920,  
303.076

 77, 82.920,  
303.076

 17, 82.920,  
303.076

 87, 82.920,  
303.076

 7, 82.920, 303.076

 97, 82.920,  
303.076

 0, 82.920, 303.076

 47, 82.920,

 47, 82.920,

303.076

41, 96.885,  
304.537

35, 109.265,  
305.783

32, 118.367,  
306.557

30, 122.867,  
306.804

303.076

54, 68.520,  
301.599

61, 54.281,  
300.213

68, 40.459,  
298.968

76, 27.141,  
297.876

83, 14.338,  
296.930

90, 2.032, 296.121

97, 9.805, 115.418

99, 12.507,  
109.232

# Harmonies

# Complementary

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



47, 82.920, 303.076



88, 69.663, 111.681

# Rectangle

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



47, 82.920, 303.076



47, 82.920, 353.076



47, 82.920, 123.076



47, 82.920, 173.076

# Sweetspot

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



47, 82.920, 303.077



85, 25.703, 297.619



79, 34.582, 214.433



43, 17.791, 297.907



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, 82.920, 303.077



44, 108.542, 304.909



54, 82.753, 316.113



44, 6.923, 296.739



22, 101.411, 306.890



3, 33.980, 300.311





# Inverse Universe

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



60, 77.102, 332.644



62, 94.319, 333.468



83, 78.073, 130.720



45, 7.498, 329.327



41, 78.768, 335.150

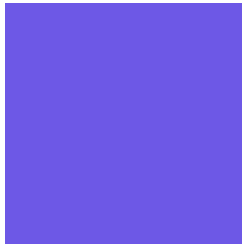


8, 33.642, 333.934



# Previews

## White Background



This preview shows how the CIELCh color 47, 82.920, 303.076 looks on a white background.

## Color Contrast Check

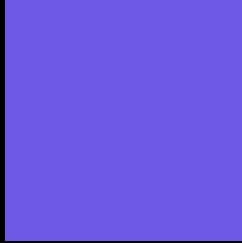
Large Text (above 18pt) WCAG AA ✓ Pass

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, 82.920, 303.076 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

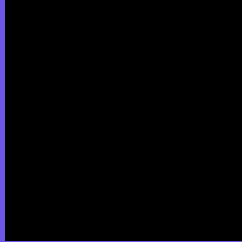
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# CIELCh 47, 82.920, 303.076

## Background



This preview shows how black text looks on a background with the CIELCh color 47, 82.920, 303.076.



This preview shows how white text looks on a background with the CIELCh color 47, 82.920, 303.076.

# 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, 82.920, 303.076

**Protanopia**

47, 70.968, 287.375

**Deuteranopia**

47, 50.857, 275.428



**Tritanopia**  
47, 15.397, 218.367



# Trichromacy



**Original Color**  
47, 82.920, 303.076

**Protanomaly**  
46, 75.558, 291.691

**Deuteranomaly**  
46, 61.950, 286.413

**Tritanomaly**  
46, 34.659, 285.115

# Monochromacy



**Original Color**  
47, 82.920, 303.076

**Achromatopsia**  
47, 0.006, 296.813

**Achromatomaly**  
46, 30.498, 298.668

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 47, 82.920, 303.076 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(109, 88, 230)` looks like.

```
.text, #text, p{  
    color:rgb(109, 88, 230)  
}
```

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(109, 88, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 88, 230) }
```

## Border

The CSS property to change the border of an element to CIELCh 47, 82.920, 303.076 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(109, 88, 230) }
```

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

```
.border{ border-color:rgb(109, 88, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 88, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 88, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 88, 230);  
box-shadow:4px 4px 4px 4px rgb(109, 88,  
230) }
```

# Background

The CSS property to change the background color of an element to CIELCh 47, 82.920, 303.076 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 88, 230) }
```

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

```
.background{ background-color: rgb(109, 88,  
230) }
```

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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