

Converting Colors

CIELCh(47, 97.615, 301.130)

Have a look what the booklet for
CIELCh(47, 97.615, 301.130)
contains.

CIELCh(47, 97.271, 301.081)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(47, 97.271, 301.081)

Conversions

Conversions Part 1

Format	Color
Hex	5757FF
RGB	87, 87, 255
RGB Percent	34%, 34%, 100%
CMY	0.6596, 0.6594, 0.0007
CMYK	0.66, 0.66, 0.00, 0.00
HSL	240°, 100%, 67%
HSV	240°, 66%, 100%
XYZ	25.3312, 16.0195, 96.2233
YIQ	106.1520, -53.9280, 52.2480

Conversions

Conversions Part 2

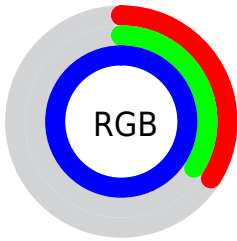
Format	Color
R_{YB}	87, 87, 255
Decimal	5724159
CIE _{Lab}	47.00, 50.22, -83.31
CIE _{LCh}	47, 97.271, 301.081
Yxy	16.0195, 0.1841, 0.1164
Android (android.graphics.Color)	4283914239 (0xFF5757FF)
YUV	106.1520, 73.3821, -16.7963
Hunter-Lab	40.0243, 42.9294, -114.5234

Details

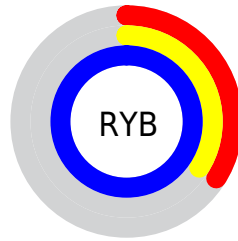
The CIELCh color **47, 97.271, 301.081** is a dark color, and the websafe version is hex **6666FF**. The color can be described as middle muted blue. A complement of this color would be **97, 78.979, 104.132**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 65.431, 300.488**, and **28, 96.422, 302.455** is the 20% darker color. If you saturate the color by 10%, you get **41, 112.368, 303.248**, and if you desaturate by 10%, it is **54, 81.293, 298.846**.

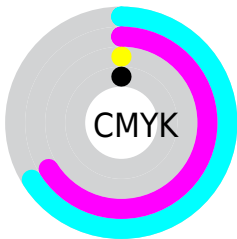
Distribution



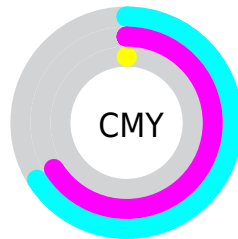
- Red (34%)
- Green (34%)
- Blue (100%)



- Red (34%)
- Yellow (34%)
- Blue (100%)



- Cyan (66%)
- Magenta (66%)
- Yellow (0%)
- Black (0%)




- Cyan (66%)
- Magenta (66%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 97.271, 301.081 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, 97.271, 301.081 by changing the saturation by 10% instead.


 47, 97.271,
301.081


 47, 97.271,
301.081


 100, 97.271,
301.081


 37, 97.271,
301.081

 67, 97.271,
301.081


 27, 97.271,
301.081

 77, 97.271,
301.081

 17, 97.271,
301.081

 87, 97.271,
301.081

 7, 97.271, 301.081

 97, 97.271,
301.081

 0, 97.271, 301.081

 47, 97.271,

 47, 97.271,

301.081

301.081

■ 41, 112.368,
303.248

■ 54, 81.293,
298.846

■ 36, 124.690,
305.011

■ 62, 65.436,
296.751

■ 33, 131.988,
306.041

■ 70, 50.098,
294.891

■ 32, 133.736,
306.284

■ 79, 35.383,
293.287

■ 87, 21.289,
291.923

■ 95, 7.777, 290.774

100, 0.073,
109.117

Harmonies

Complementary

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



47, 97.271, 301.081



97, 78.979, 104.132

Rectangle

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



47, 97.271, 301.081



47, 97.271, 351.081



47, 97.271, 121.081



47, 97.271, 171.081

Sweetspot

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



47, 97.272, 301.082



84, 26.957, 292.450



92, 44.396, 194.809



42, 18.501, 292.836



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, 97.272, 301.082



39, 116.608, 303.849



54, 95.337, 311.877



49, 7.501, 291.160



23, 107.766, 306.283



3, 44.116, 301.753

Inverse Universe

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



61, 72.957, 29.389



56, 88.151, 33.886



92, 85.730, 125.729



49, 5.254, 19.916



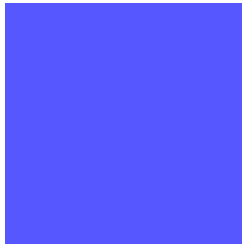
40, 84.214, 39.987



10, 33.365, 27.163

Previews

White Background



This preview shows how the CIELCh color 47, 97.271, 301.081 looks on a white background.

Color Contrast Check

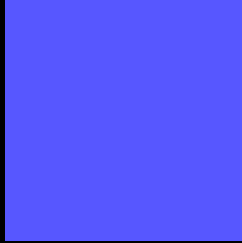
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 47, 97.271, 301.081 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

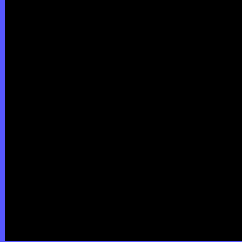
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 97.271, 301.081

Background



This preview shows how black text looks on a background with the CIELCh color 47, 97.271, 301.081.



This preview shows how white text looks on a background with the CIELCh color 47, 97.271, 301.081.

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, 97.271, 301.081

Protanopia

47, 69.879, 286.978

Deuteranopia

47, 48.813, 273.781



Tritanopia
47, 28.236, 207.659

Trichromacy



Original Color
47, 97.271, 301.081

Protanomaly
46, 80.035, 292.313

Deuteranomaly
46, 65.994, 287.451

Tritanomaly
45, 42.125, 271.701

Monochromacy



Original Color
47, 97.271, 301.081

Achromatopsia
45, 0.006, 296.813

Achromatomaly
44, 36.499, 295.086

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 97.271, 301.081 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(87, 87, 255)` looks like.

```
.text, #text, p{  
    color:rgb(87, 87, 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(87, 87, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 87, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 97.271, 301.081 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(87, 87, 255) }
```

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

```
.border{ border-color:rgb(87, 87, 255) }
```

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

Here you see how a box with a 4 pixel rgb(87, 87, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 87, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 87, 255);  
box-shadow:4px 4px 4px 4px rgb(87, 87,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 97.271, 301.081 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 87, 255) }
```

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

```
.background{ background-color: rgb(87, 87,  
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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