

Converting Colors

CIELCh(57, 78.025, 300.766)

Have a look what the booklet for
CIELCh(57, 78.025, 300.766)
contains.

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Color

CIELCh(57, 77.698, 300.606)

Conversions

Conversions Part 1

Format	Color
Hex	8376FF
RGB	131, 118, 255
RGB Percent	51%, 46%, 100%
CMY	0.4872, 0.5380, 0.0009
CMYK	0.49, 0.54, 0.00, 0.00
HSL	246°, 100%, 73%
HSV	246°, 54%, 100%
XYZ	33.7928, 24.9227, 97.4446
YIQ	137.5050, -36.2290, 45.3630

Conversions

Conversions Part 2

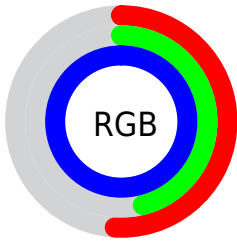
Format	Color
RYB	131, 118, 255
Decimal	8615679
CIELab	57.00, 39.56, -66.87
CIElCh	57, 77.698, 300.606
Yxy	24.9227, 0.2164, 0.1596
Android (android.graphics.Color)	4286805759 (0xFF8376FF)
YUV	137.5050, 57.9250, -5.7049
Hunter-Lab	49.9226, 33.4628, -80.7831

Details

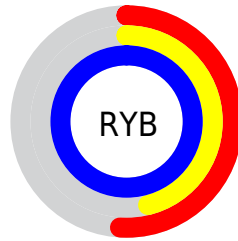
The CIELCh color **57, 77.698, 300.606** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **97, 66.806, 109.585**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **74, 46.061, 302.074**, and **37, 77.629, 300.655** is the 20% darker color. If you saturate the color by 10%, you get **50, 93.461, 302.344**, and if you desaturate by 10%, it is **65, 62.073, 298.976**.

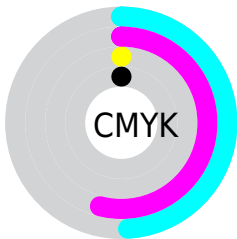
Distribution



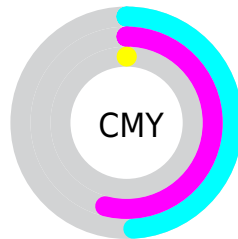
- Red (51%)
- Green (46%)
- Blue (100%)



- Red (51%)
- Yellow (46%)
- Blue (100%)



- Cyan (49%)
- Magenta (54%)
- Yellow (0%)
- Black (0%)



- Cyan (49%)
- Magenta (54%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 57, 77.698, 300.606 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 57, 77.698, 300.606 by changing the saturation by 10% instead.

■ 57, 77.698,
300.606

■ 57, 77.698,
300.606

■ 100, 77.698,
300.606

■ 47, 77.698,
300.606

■ 77, 77.698,
300.606

■ 37, 77.698,
300.606

■ 87, 77.698,
300.606

■ 27, 77.698,
300.606

■ 97, 77.698,
300.606

■ 17, 77.698,
300.606

■ 7, 77.698, 300.606

■ 0, 77.698, 300.606

57, 77.698,
300.606

57, 77.698,
300.606

50, 93.461,
302.344

65, 62.073,
298.976

43, 108.565,
304.043

73, 46.919,
297.517

38, 121.488,
305.455

81, 32.343,
296.246

34, 130.167,
306.287

89, 18.353,
295.152

33, 133.215,
306.522

97, 4.924, 294.222

100, 0.104,
109.427

Harmonies

Complementary

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



57, 77.698, 300.606



97, 66.806, 109.585

Rectangle

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



57, 77.698, 300.606



57, 77.698, 350.606



57, 77.698, 120.606



57, 77.698, 170.606

Sweetspot

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



57, 77.698, 300.607



87, 21.451, 295.382



90, 35.714, 206.922



45, 14.543, 295.601



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



57, 77.698, 300.607



49, 95.460, 302.562



63, 78.669, 314.355



49, 7.525, 294.737



23, 107.263, 306.584



4, 44.348, 303.618

Inverse Universe

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



70, 77.575, 330.232



66, 90.090, 330.829



92, 73.875, 129.431



50, 8.488, 327.640



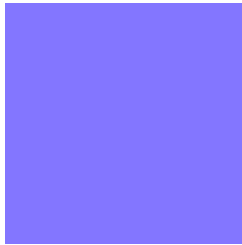
44, 86.403, 332.412



12, 40.107, 331.862

Previews

White Background



This preview shows how the CIELCh color 57, 77.698, 300.606 looks on a white background.

Color Contrast Check

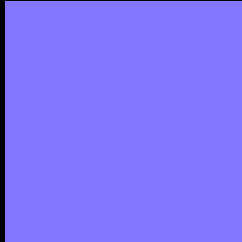
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIELCh color 57, 77.698, 300.606 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

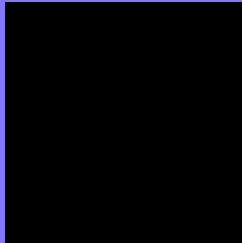
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 57, 77.698, 300.606

Background



This preview shows how black text looks on a background with the CIELCh color 57, 77.698, 300.606.



This preview shows how white text looks on a background with the CIELCh color 57, 77.698, 300.606.

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
57, 15.452, 224.739

Trichromacy



Original Color
57, 77.698, 300.606

Protanomaly
57, 72.708, 291.958

Deuteranomaly
56, 68.002, 284.430

Tritanomaly
56, 32.995, 282.005

Monochromacy



Original Color
57, 77.698, 300.606

Achromatopsia
57, 0.007, 296.813

Achromatomaly
56, 28.722, 296.840

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 77.698, 300.606 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(131, 118, 255)` looks like.

```
.text, #text, p{  
    color:rgb(131, 118, 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(131, 118, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 118, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 77.698, 300.606 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(131, 118, 255) }
```

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

```
.border{ border-color:rgb(131, 118, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 118, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 118, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 118, 255);  
box-shadow:4px 4px 4px 4px rgb(131, 118,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 77.698, 300.606 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 118, 255) }
```

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

```
.background{ background-color: rgb(131,  
118, 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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