

Converting Colors

CIELCh(57, 82.021, 313.065)

Have a look what the booklet for
CIELCh(57, 82.021, 313.065)
contains.

CIELCh(57, 82.421, 312.983)	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(57, 82.421, 312.983)

Conversions

Conversions Part 1

Format	Color
Hex	B064F3
RGB	176, 100, 243
RGB Percent	69%, 39%, 95%
CMY	0.3086, 0.6067, 0.0459
CMYK	0.28, 0.59, 0.00, 0.05
HSL	272°, 86%, 67%
HSV	272°, 59%, 95%
XYZ	38.7808, 24.9227, 87.8037
YIQ	139.0260, -0.6070, 60.5850

Conversions

Conversions Part 2

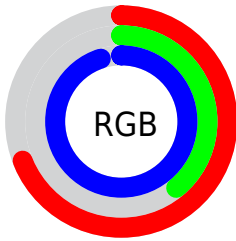
Format	Color
R _Y B	176, 100, 243
Decimal	11560179
CIE _{Lab}	57.00, 56.19, -60.30
CIE _{LCh}	57, 82.421, 312.983
Yxy	24.9227, 0.2560, 0.1645
Android (android.graphics.Color)	4289750259 (0xFFB064F3)
YUV	139.0260, 51.2592, 32.4262
Hunter-Lab	49.9226, 51.2976, -69.3332

Details

The CIELCh color **57, 82.421, 312.983** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **89, 75.978, 127.547**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **75, 60.122, 320.620**, and **37, 82.439, 313.009** is the 20% darker color. If you saturate the color by 10%, you get **51, 95.283, 313.299**, and if you desaturate by 10%, it is **63, 68.530, 312.540**.

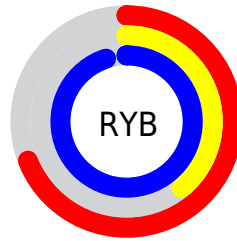
Distribution



Red (69%)

Green (39%)

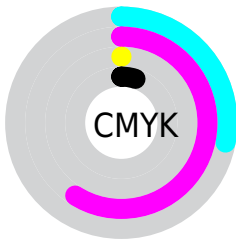
Blue (95%)



Red (69%)

Yellow (39%)

Blue (95%)

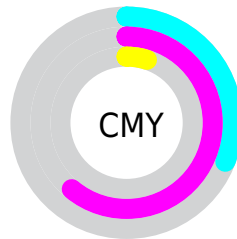


Cyan (28%)

Magenta (59%)

Yellow (0%)

Black (5%)



Cyan (31%)


Magenta (61%)


Yellow (5%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 57, 82.421, 312.983 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, 82.421, 312.983 by changing the saturation by 10% instead.


 57, 82.421,
312.983


 57, 82.421,
312.983

 100, 82.421,
312.983

 47, 82.421,
312.983

 77, 82.421,
312.983

 37, 82.421,
312.983

 87, 82.421,
312.983

 27, 82.421,
312.983

 97, 82.421,
312.983

 17, 82.421,
312.983

 7, 82.421, 312.983

 0, 82.421, 312.983

57, 82.421,
312.983

57, 82.421,
312.983

51, 95.283,
313.299

63, 68.530,
312.540

47, 106.281,
313.393

70, 54.217,
312.037

43, 114.462,
313.156

76, 39.867,
311.519

40, 119.323,
312.526

83, 25.706,
311.014

40, 119.819,
312.444

90, 11.862,
310.535

97, 1.605, 130.206

100, 5.917,
109.722

Harmonies

Complementary

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



57, 82.421, 312.983



89, 75.978, 127.547

Rectangle

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



57, 82.421, 312.983



57, 82.421, 2.983



57, 82.421, 132.983



57, 82.421, 182.983

Sweetspot

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



57, 82.420, 312.983



87, 25.564, 310.978



68, 43.465, 269.561



44, 17.830, 311.122



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, 82.420, 312.983



53, 101.672, 313.345



65, 84.763, 327.923



47, 7.720, 310.568



30, 97.842, 312.633



5, 41.557, 313.380

Inverse Universe

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



63, 61.802, 352.634



60, 74.055, 355.407



86, 85.728, 139.706



48, 6.045, 346.161



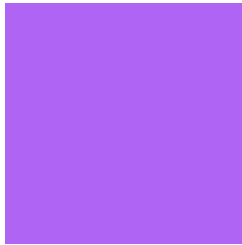
40, 66.672, 5.050



9, 29.996, 358.394

Previews

White Background



This preview shows how the CIELCh color 57, 82.421, 312.983 looks on a white background.

Color Contrast Check

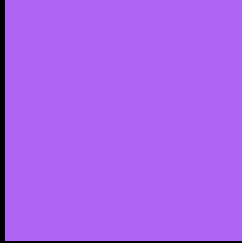
Large Text (above 18pt) WCAG AA ✓ Pass

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, 82.421, 312.983 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

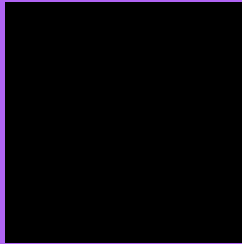
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 57, 82.421, 312.983

Background



This preview shows how black text looks on a background with the CIELCh color 57, 82.421, 312.983.



This preview shows how white text looks on a background with the CIELCh color 57, 82.421, 312.983.

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, 12.873, 354.682

Trichromacy



Original Color
57, 82.421, 312.983



Protanomaly
56, 73.919, 296.047



Deuteranomaly
56, 65.630, 292.873



Tritanomaly
56, 36.954, 320.028

Monochromacy



Original Color
57, 82.421, 312.983



Achromatopsia
58, 0.007, 296.813



Achromatomaly
57, 31.455, 311.747

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 82.421, 312.983 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(176, 100, 243)` looks like.

```
.text, #text, p{  
    color:rgb(176, 100, 243)  
}
```

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(176, 100, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 100, 243) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 82.421, 312.983 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(176, 100, 243) }
```

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

```
.border{ border-color:rgb(176, 100, 243) }
```

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

Here you see how a box with a 4 pixel rgb(176, 100, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 100, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 100, 243);  
box-shadow:4px 4px 4px 4px rgb(176, 100,  
243) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 82.421, 312.983 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 100, 243) }
```

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

```
.background{ background-color: rgb(176,  
100, 243) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor