

Converting Colors

CIELCh(50, 113.936, 316.645)

Have a look what the booklet for
CIELCh(50, 113.936, 316.645)
contains.

CIELCh(50, 113.874, 316.634)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	25
<i>CSS Examples</i>	28

Color

CIELCh(50, 113.874, 316.634)

Conversions

Conversions Part 1

Format	Color
Hex	B427FF
RGB	180, 39, 255
RGB Percent	71%, 15%, 100%
CMY	0.2935, 0.8462, 0.0000
CMYK	0.29, 0.85, 0.00, 0.00
HSL	279°, 100%, 58%
HSV	279°, 85%, 100%
XYZ	37.6682, 18.4187, 96.3107
YIQ	105.7830, 14.7000, 97.0680

Conversions

Conversions Part 2

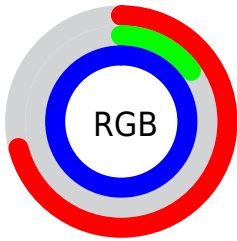
Format	Color
R _Y B	180, 39, 255
Decimal	11806719
CIE Lab	50.00, 82.78, -78.19
CIE LCh	50, 113.874, 316.634
Yxy	18.4187, 0.2472, 0.1209
Android (android.graphics.Color)	4289996799 (0xFFB427FF)
YUV	105.7830, 73.5640, 65.0883
Hunter-Lab	42.9170, 81.5646, -103.0119

Details

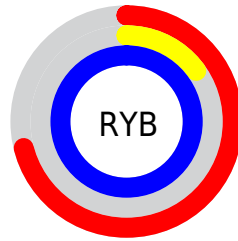
The CIELCh color **50, 113.874, 316.634** is a light color, and the websafe version is hex **9933FF**. The color can be described as light washed purple. A complement of this color would be **90, 107.153, 131.296**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 88.001, 324.520**, and **34, 100.532, 314.472** is the 20% darker color. If you saturate the color by 10%, you get **47, 119.214, 316.121**, and if you desaturate by 10%, it is **54, 105.071, 316.845**.

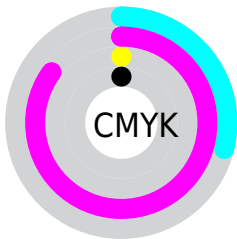
Distribution



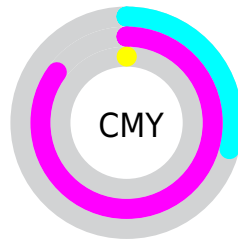
- Red (71%)
- Green (15%)
- Blue (100%)



- Red (71%)
- Yellow (15%)
- Blue (100%)



- Cyan (29%)
- Magenta (85%)
- Yellow (0%)
- Black (0%)





- Cyan (29%)
- Magenta (85%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 113.874, 316.634 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 50, 113.874, 316.634 by changing the saturation by 10% instead.


 50, 113.874,
316.634


 50, 113.874,
316.634


 100, 113.874,
316.634


 40, 113.874,
316.634


 70, 113.874,
316.634


 30, 113.874,
316.634


 80, 113.874,
316.634


 20, 113.874,
316.634

 90, 113.874,
316.634

 10, 113.874,
316.634

 0, 113.874,
316.634

 50, 113.874,

 50, 113.874,

316.634

316.634

■ 47, 119.214,
316.121

■ 54, 105.071,
316.845

■ 46, 120.994,
315.725

■ 59, 93.643,
316.779

■ 64, 80.362,
316.531

■ 70, 65.989,
316.169

■ 76, 51.103,
315.744

■ 83, 36.099,
315.295

■ 90, 21.226,
314.844

■ 97, 6.631, 314.394

100, 0.012,
296.813

Harmonies

Complementary

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



50, 113.874, 316.634



90, 107.153, 131.296

Rectangle

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



50, 113.874, 316.634



50, 113.874, 6.634



50, 113.874, 136.634



50, 113.874, 186.634

Sweetspot

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



50, 113.804, 316.649



83, 36.674, 315.312



52, 81.061, 290.683



42, 25.089, 315.471



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



50, 113.804, 316.649



46, 120.994, 315.725



60, 99.940, 334.268



49, 8.209, 314.617



34, 97.337, 315.903



8, 44.403, 317.171

Inverse Universe

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



56, 80.498, 10.047



54, 86.409, 17.992



88, 107.214, 139.425



50, 5.807, 353.641



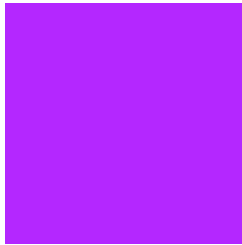
40, 69.307, 16.923



10, 31.315, 9.249

Previews

White Background



This preview shows how the CIELCh color 50, 113.874, 316.634 looks on a white background.

Color Contrast Check

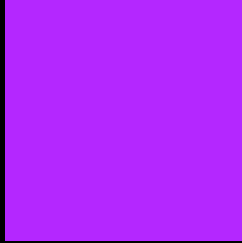
Large Text (above 18pt) WCAG AA ✓ Pass

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 50, 113.874, 316.634 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

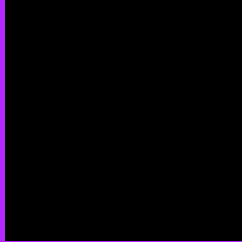
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 113.874, 316.634

Background



This preview shows how black text looks on a background with the CIELCh color 50, 113.874, 316.634.



This preview shows how white text looks on a background with the CIELCh color 50, 113.874, 316.634.

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

50, 113.874, 316.634

Protanopia

50, 74.196, 287.203

Deuteranopia

50, 53.798, 275.729



Tritanopia
50, 22.395, 10.485

Trichromacy



Original Color
50, 113.874, 316.634



Protanomaly
45, 93.576, 298.899



Deuteranomaly
45, 79.657, 296.281



Tritanomaly
48, 55.723, 327.410

Monochromacy



Original Color
50, 113.874, 316.634



Achromatopsia
45, 0.006, 296.813



Achromatomaly
44, 49.334, 316.294

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 113.874, 316.634 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(180, 39, 255)` looks like.

```
.text, #text, p{  
    color:rgb(180, 39, 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(180, 39, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 39, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 113.874, 316.634 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(180, 39, 255) }
```

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

```
.border{ border-color:rgb(180, 39, 255) }
```

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

Here you see how a box with a 4 pixel rgb(180, 39, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 39, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 39, 255);  
box-shadow:4px 4px 4px 4px rgb(180, 39,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 113.874, 316.634 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 39, 255) }
```

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

```
.background{ background-color: rgb(180, 39,  
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](#).

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