

Converting Colors

CIELCh(51, 108.385, 315.559)

Have a look what the booklet for
CIELCh(51, 108.385, 315.559)
contains.

CIELCh(51, 108.350, 315.592)	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(51, 108.350, 315.592)

Conversions

Conversions Part 1

Format	Color
Hex	B138FE
RGB	177, 56, 254
RGB Percent	69%, 22%, 100%
CMY	0.3067, 0.7813, 0.0048
CMYK	0.30, 0.78, 0.00, 0.00
HSL	277°, 99%, 61%
HSV	277°, 78%, 100%
XYZ	37.3394, 19.2686, 95.3376
YIQ	114.7510, 8.5580, 87.2300

Conversions

Conversions Part 2

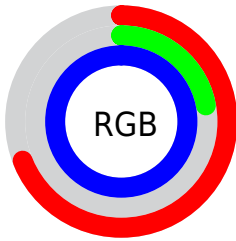
Format	Color
RYB	177, 56, 254
Decimal	11614462
CIELab	51.00, 77.40, -75.82
CIELCh	51, 108.350, 315.592
Yxy	19.2686, 0.2457, 0.1268
Android (android.graphics.Color)	4289804542 (0xFFB138FE)
YUV	114.7510, 68.6498, 54.5924
Hunter-Lab	43.8960, 75.0201, -98.0444

Details

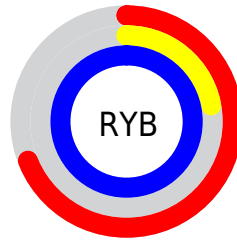
The CIELCh color **51, 108.350, 315.592** is a light color, and the websafe version is hex **9933FF**. The color can be described as light washed purple. A complement of this color would be **90, 100.495, 129.950**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 82.181, 323.491**, and **33, 100.298, 314.280** is the 20% darker color. If you saturate the color by 10%, you get **47, 116.325, 315.303**, and if you desaturate by 10%, it is **56, 97.457, 315.578**.

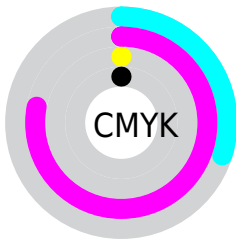
Distribution



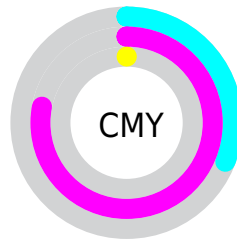
- Red (69%)
- Green (22%)
- Blue (100%)



- Red (69%)
- Yellow (22%)
- Blue (100%)



- Cyan (30%)
- Magenta (78%)
- Yellow (0%)
- Black (0%)





- Cyan (31%)
- Magenta (78%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 108.350, 315.592 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 51, 108.350, 315.592 by changing the saturation by 10% instead.


 51, 108.350,
315.592


 51, 108.350,
315.592


 100, 108.350,
315.592


 41, 108.350,
315.592


 71, 108.350,
315.592


 31, 108.350,
315.592


 81, 108.350,
315.592

 21, 108.350,
315.592

 91, 108.350,
315.592

 11, 108.350,
315.592

 1, 108.350,
315.592

 0, 108.350,
315.592

51, 108.350,
315.592

51, 108.350,
315.592

47, 116.325,
315.303

56, 97.457,
315.578

45, 120.914,
314.651

61, 84.520,
315.350

44, 121.615,
314.506

67, 70.363,
314.989

74, 55.619,
314.555

80, 40.718,
314.092

87, 25.929,
313.628

94, 11.411,
313.175

100, 0.604,

Harmonies

Complementary

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



51, 108.350, 315.592



90, 100.495, 129.950

Rectangle

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



51, 108.350, 315.592



51, 108.350, 5.592



51, 108.350, 135.592



51, 108.350, 185.592

Sweetspot

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



51, 108.349, 315.592



84, 33.385, 313.858



57, 68.102, 284.455



42, 23.187, 314.026



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



51, 108.349, 315.592



46, 119.886, 314.953



61, 99.825, 331.686



49, 8.127, 313.242



33, 98.173, 314.691



7, 44.619, 315.982

Inverse Universe

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



58, 76.748, 3.794



55, 83.673, 10.767



88, 104.472, 139.209



50, 5.948, 350.932



41, 68.478, 12.892



10, 31.286, 5.740

Previews

White Background



This preview shows how the CIELCh color 51, 108.350, 315.592 looks on a white background.

Color Contrast Check

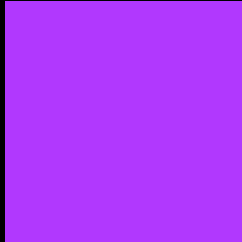
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIE LCh color 51, 108.350, 315.592 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

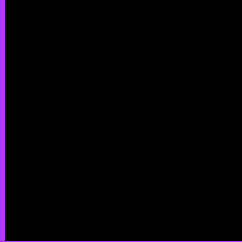
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 108.350, 315.592

Background



This preview shows how black text looks on a background with the CIELCh color 51, 108.350, 315.592.



This preview shows how white text looks on a background with the CIELCh color 51, 108.350,

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


51, 108.350, 315.592

Protanopia

51, 75.667, 287.391

Deuteranopia

51, 55.290, 276.330



Tritanopia
51, 18.985, 5.978

Trichromacy



Original Color
51, 108.350, 315.592



Protanomaly
47, 89.747, 297.087



Deuteranomaly
47, 76.915, 294.344



Tritanomaly
49, 50.655, 324.889

Monochromacy



Original Color
51, 108.350, 315.592



Achromatopsia
48, 0.006, 296.813



Achromatomaly
47, 45.041, 314.751

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 108.350, 315.592 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(177, 56, 254)` looks like.

```
.text, #text, p{  
    color:rgb(177, 56, 254)  
}
```

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(177, 56, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 56, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 108.350, 315.592 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(177, 56, 254) }
```

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

```
.border{ border-color:rgb(177, 56, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 56, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 56, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 56, 254);  
box-shadow:4px 4px 4px 4px rgb(177, 56,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 108.350, 315.592 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 56, 254) }
```

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

```
.background{ background-color: rgb(177, 56,  
254) }
```

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