

Converting Colors

CIELCh(50, 103.183, 310.506)

Have a look what the booklet for
CIELCh(50, 103.183, 310.506)
contains.

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Color

CIELCh(50, 103.248, 310.574)

Conversions

Conversions Part 1

Format	Color
Hex	9648FF
RGB	150, 72, 255
RGB Percent	59%, 28%, 100%
CMY	0.4106, 0.7166, 0.0000
CMYK	0.41, 0.72, 0.00, 0.00
HSL	266°, 100%, 64%
HSV	266°, 72%, 100%
XYZ	33.0611, 18.4187, 96.6595
YIQ	116.1840, -12.2550, 73.4490

Conversions

Conversions Part 2

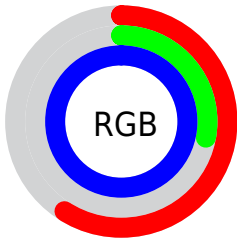
Format	Color
R_{YB}	150, 72, 255
Decimal	9849087
CIE _{Lab}	50.00, 67.16, -78.42
CIE _{LCh}	50, 103.248, 310.574
Yxy	18.4187, 0.2232, 0.1243
Android (android.graphics.Color)	4288039167 (0xFF9648FF)
YUV	116.1840, 68.4363, 29.6566
Hunter-Lab	42.9170, 62.4028, -103.4937

Details

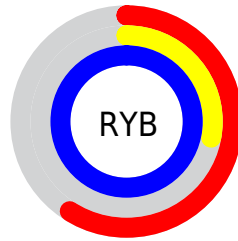
The CIELCh color **50, 103.248, 310.574** is a light color, and the websafe version is hex **9933FF**. The color can be described as light washed purple. A complement of this color would be **92, 90.074, 123.650**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **67, 74.129, 316.477**, and **30, 103.282, 310.557** is the 20% darker color. If you saturate the color by 10%, you get **45, 114.608, 310.804**, and if you desaturate by 10%, it is **56, 89.544, 310.121**.

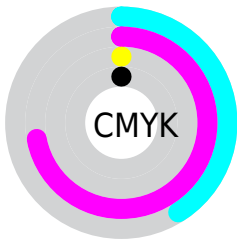
Distribution



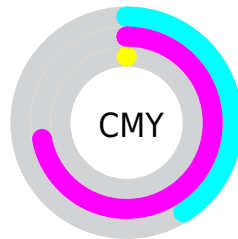
- Red (59%)
- Green (28%)
- Blue (100%)



- Red (59%)
- Yellow (28%)
- Blue (100%)



- Cyan (41%)
- Magenta (72%)
- Yellow (0%)
- Black (0%)





- Cyan (41%)
- Magenta (72%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 103.248, 310.574 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, 103.248, 310.574 by changing the saturation by 10% instead.


 50, 103.248,
310.574


 50, 103.248,
310.574


 100, 103.248,
310.574


 40, 103.248,
310.574


 70, 103.248,
310.574


 30, 103.248,
310.574

 80, 103.248,
310.574

 20, 103.248,
310.574

 90, 103.248,
310.574

 10, 103.248,
310.574

 0, 103.248,
310.574

 50, 103.248,

 50, 103.248,

310.574

310.574

■ 45, 114.608,
310.804

■ 56, 89.544,
310.121

■ 41, 122.859,
310.620

■ 63, 74.925,
309.520

■ 39, 127.031,
310.152

■ 70, 59.944,
308.870

■ 77, 45.014,
308.225

■ 84, 30.361,
307.615

■ 91, 16.095,
307.053

■ 99, 2.265, 306.508

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, 103.248, 310.574



92, 90.074, 123.650

Rectangle

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



50, 103.248, 310.574



50, 103.248, 0.574



50, 103.248, 130.574



50, 103.248, 180.574

Sweetspot

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



50, 103.111, 310.590



85, 29.405, 307.576



70, 46.851, 262.294



43, 19.984, 307.739



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, 103.111, 310.590



43, 118.650, 310.781



62, 101.996, 325.115



49, 7.821, 306.938



28, 102.106, 310.340



5, 44.915, 310.902

Inverse Universe

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



61, 77.932, 348.255



57, 84.628, 351.586



89, 102.820, 136.682



50, 6.709, 340.624



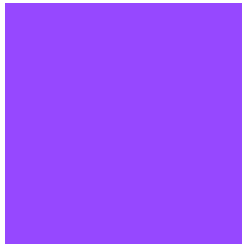
42, 69.590, 355.354



11, 32.741, 350.909

Previews

White Background



This preview shows how the CIELCh color 50, 103.248, 310.574 looks on a white background.

Color Contrast Check

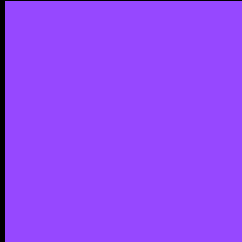
Large Text (above 18pt) WCAG AA ✓ Pass

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 50, 103.248, 310.574 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

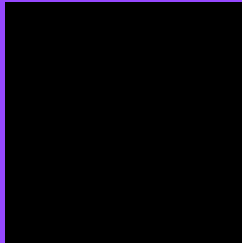
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 103.248, 310.574

Background



This preview shows how black text looks on a background with the CIELCh color 50, 103.248, 310.574.



This preview shows how white text looks on a background with the CIELCh color 50, 103.248, 310.574.

310.574.

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, 103.248, 310.574

Protanopia

50, 74.804, 287.570

Tritanopia

50, 5.528, 307.413

Trichromacy



Original Color
50, 103.248, 310.574



Protanomaly
48, 86.332, 295.245



Tritanomaly
49, 43.658, 308.915

Monochromacy



Original Color
50, 103.248, 310.574



Achromatopsia
49, 0.007, 296.813



Achromatomaly
48, 40.769, 308.407

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 103.248, 310.574 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(150, 72, 255)` looks like.

```
.text, #text, p{  
    color:rgb(150, 72, 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(150, 72, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 72, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 103.248, 310.574 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(150, 72, 255) }
```

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

```
.border{ border-color:rgb(150, 72, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 72, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 72, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 72, 255);  
box-shadow:4px 4px 4px 4px rgb(150, 72,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 103.248, 310.574 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 72, 255) }
```

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

```
.background{ background-color: rgb(150, 72,  
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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