

Converting Colors

CIELCh(53, 120.441, 308.630)

Have a look what the booklet for
CIELCh(53, 120.441, 308.630)
contains.

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Color

CIELCh(50, 102.356, 310.106)

Conversions

Conversions Part 1

Format	Color
Hex	944AFF
RGB	148, 74, 255
RGB Percent	58%, 29%, 100%
CMY	0.4195, 0.7097, 0.0000
CMYK	0.42, 0.71, 0.00, 0.00
HSL	265°, 100%, 65%
HSV	265°, 71%, 100%
XYZ	32.7189, 18.4187, 96.4539
YIQ	116.7600, -13.9970, 71.9790

Conversions

Conversions Part 2

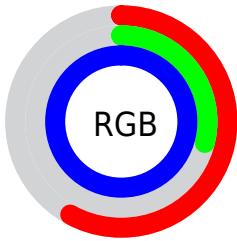
Format	Color
R _Y B	148, 74, 255
Decimal	9718527
CIE _{Lab}	50.00, 65.94, -78.29
CIE _{LCh}	50, 102.356, 310.106
Y _{xy}	18.4187, 0.2217, 0.1248
Android (android.graphics.Color)	4287908607 (0xFF944AFF)
YUV	116.7600, 68.1523, 27.3975
Hunter-Lab	42.9170, 60.9795, -103.2097

Details

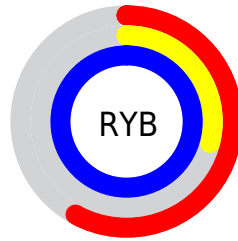
The CIELCh color **50, 102.356, 310.106** is a light color, and the websafe version is hex **9933FF**. The color can be described as light washed purple. A complement of this color would be **93, 88.989, 122.942**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **67, 73.419, 315.889**, and **30, 102.455, 310.128** is the 20% darker color. If you saturate the color by 10%, you get **45, 114.169, 310.390**, and if you desaturate by 10%, it is **56, 88.565, 309.581**.

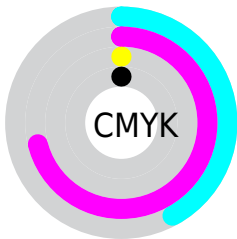
Distribution



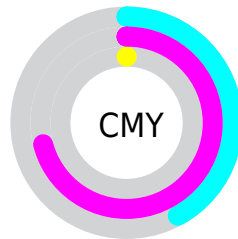
- Red (58%)
- Green (29%)
- Blue (100%)



- Red (58%)
- Yellow (29%)
- Blue (100%)



- Cyan (42%)
- Magenta (71%)
- Yellow (0%)
- Black (0%)





- Cyan (42%)
- Magenta (71%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 102.356, 310.106 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, 102.356, 310.106 by changing the saturation by 10% instead.


 50, 102.356,
310.106


 50, 102.356,
310.106


 100, 102.356,
310.106


 40, 102.356,
310.106


 70, 102.356,
310.106


 30, 102.356,
310.106

 80, 102.356,
310.106

 20, 102.356,
310.106

 90, 102.356,
310.106

 10, 102.356,
310.106

 0, 102.356,
310.106

 50, 102.356,

 50, 102.356,

310.106

45, 114.169,
310.390

41, 122.813,
310.281

38, 127.510,
309.816

310.106

56, 88.565,
309.581

63, 73.831,
308.934

70, 58.812,
308.250

77, 43.894,
307.580

84, 29.285,
306.952

92, 15.082,
306.376

99, 1.326, 305.793

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, 102.356, 310.106



93, 88.989, 122.942

Rectangle

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



50, 102.356, 310.106



50, 102.356, 0.106



50, 102.356, 130.106



50, 102.356, 180.106

Sweetspot

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



50, 102.347, 310.108



84, 29.323, 306.953



71, 45.424, 259.711



43, 19.931, 307.122



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



50, 102.347, 310.108



43, 118.097, 310.401



62, 101.290, 324.565



49, 7.796, 306.296



28, 102.488, 310.001



5, 44.903, 310.424

Inverse Universe

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



61, 78.205, 346.951



57, 85.061, 349.963



89, 101.760, 136.465



50, 6.794, 339.744



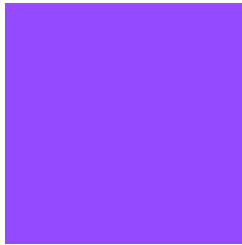
42, 70.090, 353.753



11, 33.010, 349.592

Previews

White Background



This preview shows how the CIELCh color 50, 102.356, 310.106 looks on a white background.

Color Contrast Check

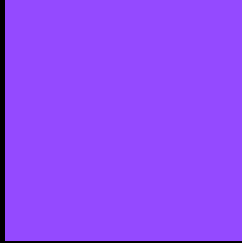
Large Text (above 18pt) WCAG AA ✓ Pass

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 50, 102.356, 310.106 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

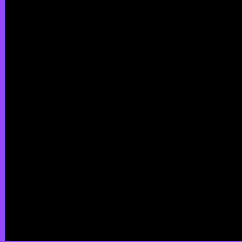
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 102.356, 310.106

Background



This preview shows how black text looks on a background with the CIELCh color 50, 102.356, 310.106.



This preview shows how white text looks on a background with the CIELCh color 50, 102.356, 310.106.

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, 102.356, 310.106

Protanopia

50, 74.196, 287.203

Deuteranopia

50, 52.782, 274.982



Tritanopia
50, 5.885, 294.750

Trichromacy



Original Color
50, 102.356, 310.106



Protanomaly
48, 85.722, 294.910



Deuteranomaly
47, 71.107, 290.853



Tritanomaly
48, 44.043, 307.445

Monochromacy



Original Color
50, 102.356, 310.106



Achromatopsia
49, 0.007, 296.813



Achromatomaly
48, 40.097, 308.085

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 102.356, 310.106 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(148, 74, 255)` looks like.

```
.text, #text, p{  
    color:rgb(148, 74, 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(148, 74, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 74, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 102.356, 310.106 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(148, 74, 255) }
```

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

```
.border{ border-color:rgb(148, 74, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 74, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 74, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 74, 255);  
box-shadow:4px 4px 4px 4px rgb(148, 74,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 102.356, 310.106 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 74, 255) }
```

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

```
.background{ background-color: rgb(148, 74,  
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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