

Converting Colors

CIELCh(48, 111.505, 313.429)

Have a look what the booklet for
CIELCh(48, 111.505, 313.429)
contains.

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Color

CIELCh(48, 111.447, 313.451)

Conversions

Conversions Part 1

Format	Color
Hex	9F32FE
RGB	159, 50, 254
RGB Percent	62%, 20%, 100%
CMY	0.3767, 0.8041, 0.0041
CMYK	0.37, 0.80, 0.00, 0.00
HSL	272°, 99%, 60%
HSV	272°, 80%, 100%
XYZ	33.3070, 16.7945, 95.2100
YIQ	105.8470, -0.5200, 86.5520

Conversions

Conversions Part 2

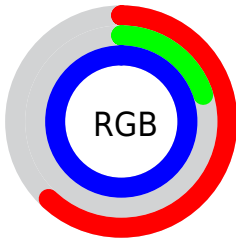
Format	Color
RYB	159, 50, 254
Decimal	10433278
CIELab	48.00, 76.65, -80.91
CIELCh	48, 111.447, 313.451
Yxy	16.7945, 0.2292, 0.1156
Android (android.graphics.Color)	4288623358 (0xFF9F32FE)
YUV	105.8470, 73.0394, 46.6152
Hunter-Lab	40.9810, 73.3575, -109.0599

Details

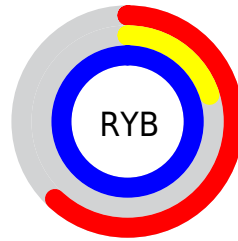
The CIELCh color **48, 111.447, 313.451** is a light color, and the websafe version is hex **9933FF**. The color can be described as light washed purple. A complement of this color would be **90, 100.128, 127.694**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 84.177, 319.858**, and **31, 102.521, 311.736** is the 20% darker color. If you saturate the color by 10%, you get **44, 119.296, 313.142**, and if you desaturate by 10%, it is **53, 100.516, 313.411**.

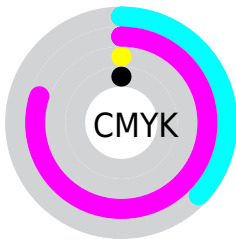
Distribution



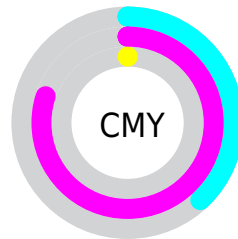
- Red (62%)
- Green (20%)
- Blue (100%)



- Red (62%)
- Yellow (20%)
- Blue (100%)



- Cyan (37%)
- Magenta (80%)
- Yellow (0%)
- Black (0%)





- Cyan (38%)
- Magenta (80%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 111.447, 313.451 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 48, 111.447, 313.451 by changing the saturation by 10% instead.


 48, 111.447,
313.451


 48, 111.447,
313.451


 100, 111.447,
313.451


 38, 111.447,
313.451


 68, 111.447,
313.451


 28, 111.447,
313.451


 78, 111.447,
313.451


 18, 111.447,
313.451


 88, 111.447,
313.451

 8, 111.447,
313.451

 98, 111.447,
313.451

 0, 111.447,
313.451

 48, 111.447,

 48, 111.447,

313.451

313.451

■ 44, 119.296,
313.142

■ 53, 100.516,
313.411

■ 42, 123.721,
312.486

■ 58, 87.477,
313.129

■ 65, 73.235,
312.705

■ 71, 58.460,
312.210

■ 78, 43.589,
311.693

■ 85, 28.882,
311.186

■ 92, 14.484,
310.703

■ 99, 0.470, 309.944

100, 0.521,
109.990

Harmonies

Complementary

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



48, 111.447, 313.451



90, 100.128, 127.694

Rectangle

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



48, 111.447, 313.451



48, 111.447, 3.451



48, 111.447, 133.451



48, 111.447, 183.451

Sweetspot

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



48, 111.447, 313.451



83, 34.360, 311.370



60, 62.663, 279.490



42, 23.702, 311.551



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



48, 111.447, 313.451



43, 122.514, 312.776



62, 106.049, 329.210



49, 7.988, 310.664



31, 99.790, 312.679



6, 44.852, 313.827

Inverse Universe

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



57, 79.130, 358.319



55, 83.869, 4.467



88, 109.938, 137.570



50, 6.240, 346.323



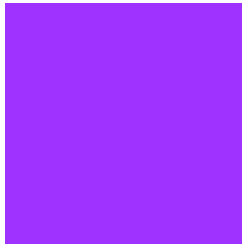
41, 68.015, 5.415



10, 31.588, 359.291

Previews

White Background



This preview shows how the CIELCh color 48, 111.447, 313.451 looks on a white background.

Color Contrast Check

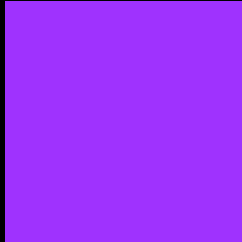
Large Text (above 18pt) WCAG AA ✓ Pass

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 48, 111.447, 313.451 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

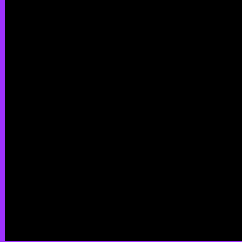
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 111.447, 313.451

Background



This preview shows how black text looks on a background with the CIELCh color 48, 111.447, 313.451.



This preview shows how white text looks on a background with the CIELCh color 48, 111.447, 313.451.

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

48, 111.447, 313.451

Protanopia

48, 71.844, 287.188

Deuteranopia

48, 50.816, 274.662



Tritanopia
48, 11.194, 352.663

Trichromacy



Original Color
48, 111.447, 313.451



Protanomaly
44, 89.386, 297.606



Deuteranomaly
44, 75.304, 294.471



Tritanomaly
46, 50.482, 317.332

Monochromacy



Original Color
48, 111.447, 313.451



Achromatopsia
45, 0.006, 296.813



Achromatomaly
44, 46.123, 312.210

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 111.447, 313.451 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(159, 50, 254)` looks like.

```
.text, #text, p{  
    color:rgb(159, 50, 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(159, 50, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 50, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 111.447, 313.451 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(159, 50, 254) }
```

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

```
.border{ border-color:rgb(159, 50, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 50, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 50, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 50, 254);  
box-shadow:4px 4px 4px 4px rgb(159, 50,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 111.447, 313.451 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 50, 254) }
```

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

```
.background{ background-color: rgb(159, 50,  
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](#).

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