

Converting Colors

CIELCh(48, 111.051, 312.664)

Have a look what the booklet for
CIELCh(48, 111.051, 312.664)
contains.

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Color

CIELCh(48, 111.075, 312.696)

Conversions

Conversions Part 1

Format	Color
Hex	9B35FF
RGB	155, 53, 255
RGB Percent	61%, 21%, 100%
CMY	0.3912, 0.7912, 0.0000
CMYK	0.39, 0.79, 0.00, 0.00
HSL	270°, 100%, 60%
HSV	270°, 79%, 100%
XYZ	32.9328, 16.7945, 96.3037
YIQ	106.5260, -4.0500, 84.4460

Conversions

Conversions Part 2

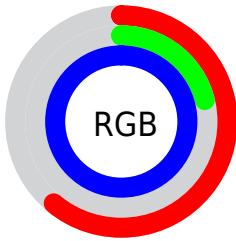
Format	Color
R_{YB}	155, 53, 255
Decimal	10171903
CIE _{Lab}	48.00, 75.32, -81.64
CIE _{LCh}	48, 111.075, 312.696
Yxy	16.7945, 0.2255, 0.1150
Android (android.graphics.Color)	4288361983 (0xFF9B35FF)
YUV	106.5260, 73.1977, 42.5117
Hunter-Lab	40.9810, 71.7277, -110.6422

Details

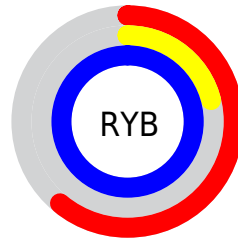
The CIELCh color **48, 111.075, 312.696** is a light color, and the websafe version is hex **9933FF**. The color can be described as light washed purple. A complement of this color would be **91, 98.653, 126.687**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 82.890, 318.865**, and **30, 103.421, 311.231** is the 20% darker color. If you saturate the color by 10%, you get **44, 119.503, 312.489**, and if you desaturate by 10%, it is **53, 99.464, 312.588**.

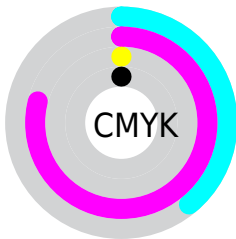
Distribution



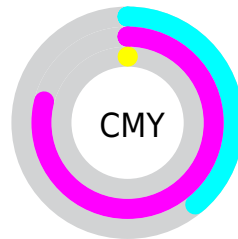
- Red (61%)
- Green (21%)
- Blue (100%)



- Red (61%)
- Yellow (21%)
- Blue (100%)



- Cyan (39%)
- Magenta (79%)
- Yellow (0%)
- Black (0%)





- Cyan (39%)
- Magenta (79%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 111.075, 312.696 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, 111.075, 312.696 by changing the saturation by 10% instead.


 48, 111.075,
312.696


 48, 111.075,
312.696


 100, 111.075,
312.696


 38, 111.075,
312.696


 68, 111.075,
312.696


 28, 111.075,
312.696


 78, 111.075,
312.696


 18, 111.075,
312.696

 88, 111.075,
312.696

 8, 111.075,
312.696

 98, 111.075,
312.696

 0, 111.075,
312.696

 48, 111.075,

 48, 111.075,

312.696

■ 44, 119.503,
312.489

■ 41, 124.527,
311.860

■ 41, 124.899,
311.801

312.696

■ 53, 99.464,
312.588

■ 59, 86.017,
312.238

■ 65, 71.531,
311.759

■ 72, 56.639,
311.225

■ 79, 41.739,
310.681

■ 86, 27.062,
310.155

■ 93, 12.730,
309.660

■ 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.



48, 111.075, 312.696



91, 98.653, 126.687

Rectangle

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



48, 111.075, 312.696



48, 111.075, 2.696



48, 111.075, 132.696



48, 111.075, 182.696

Sweetspot

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



48, 110.971, 312.711



83, 34.185, 310.408



63, 58.465, 275.579



42, 23.589, 310.597



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, 110.971, 312.711



42, 122.804, 312.156



63, 108.131, 328.011



49, 7.940, 309.678



30, 100.413, 311.997



6, 44.895, 313.030

Inverse Universe

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



58, 79.506, 355.679



55, 84.065, 1.328



88, 110.933, 137.113



50, 6.359, 344.711



41, 68.192, 2.642



10, 31.817, 356.956

Previews

White Background



This preview shows how the CIELCh color 48, 111.075, 312.696 looks on a white background.

Color Contrast Check

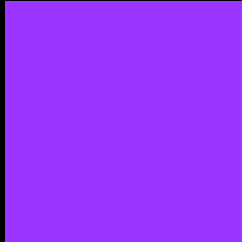
Large Text (above 18pt) WCAG AA ✓ Pass

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, 111.075, 312.696 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

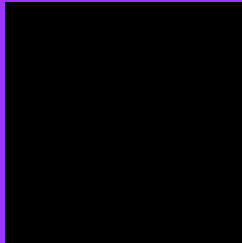
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 48, 111.075, 312.696

Background



This preview shows how black text looks on a background with the CIELCh color 48, 111.075, 312.696.



This preview shows how white text looks on a background with the CIELCh color 48, 111.075, 312.696.

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, 111.075, 312.696

Protanopia

48, 71.302, 286.993

Deuteranopia

48, 50.816, 274.662



Tritanopia
48, 8.399, 346.363

Trichromacy



Original Color
48, 111.075, 312.696



Protanomaly
45, 88.800, 297.220



Deuteranomaly
44, 74.701, 293.954



Tritanomaly
46, 48.730, 315.015

Monochromacy



Original Color
48, 111.075, 312.696



Achromatopsia
45, 0.006, 296.813



Achromatomaly
44, 46.000, 311.772

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 111.075, 312.696 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(155, 53, 255)` looks like.

```
.text, #text, p{  
    color:rgb(155, 53, 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(155, 53, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 53, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 111.075, 312.696 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(155, 53, 255) }
```

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

```
.border{ border-color:rgb(155, 53, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 53, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(155, 53, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(155, 53, 255); box-shadow:4px 4px 4px 4px rgb(155, 53, 255) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 111.075, 312.696 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 53, 255) }
```

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

```
.background{ background-color: rgb(155, 53,  
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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