

Converting Colors

CIELCh(48, 104.978, 308.874)

Have a look what the booklet for
CIELCh(48, 104.978, 308.874)
contains.

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Color

CIELCh(48, 104.780, 308.925)

Conversions

Conversions Part 1

Format	Color
Hex	8846FF
RGB	136, 70, 255
RGB Percent	53%, 27%, 100%
CMY	0.4673, 0.7260, 0.0006
CMYK	0.47, 0.73, 0.00, 0.00
HSL	261°, 100%, 64%
HSV	261°, 73%, 100%
XYZ	30.3352, 16.7945, 96.1228
YIQ	110.8240, -20.0490, 71.5270

Conversions

Conversions Part 2

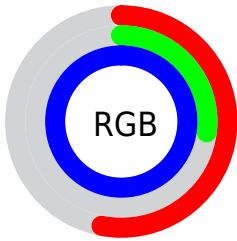
Format	Color
RYB	136, 70, 255
Decimal	8931071
CIELab	48.00, 65.83, -81.52
CIElCh	48, 104.780, 308.925
Yxy	16.7945, 0.2118, 0.1172
Android (android.graphics.Color)	4287121151 (0xFF8846FF)
YUV	110.8240, 71.0788, 22.0794
Hunter-Lab	40.9810, 60.4133, -110.3805

Details

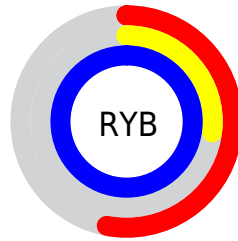
The CIELCh color **48, 104.780, 308.925** is a light color, and the websafe version is hex **9933FF**. The color can be described as light washed purple. A complement of this color would be **93, 89.184, 120.850**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 75.133, 313.458**, and **28, 104.874, 308.941** is the 20% darker color. If you saturate the color by 10%, you get **43, 116.575, 309.306**, and if you desaturate by 10%, it is **54, 90.906, 308.282**.

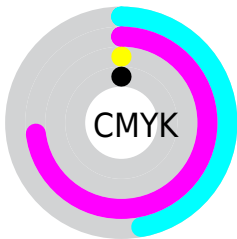
Distribution



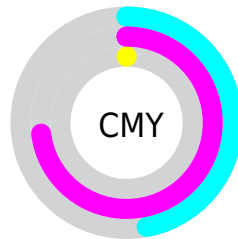
- Red (53%)
- Green (27%)
- Blue (100%)



- Red (53%)
- Yellow (27%)
- Blue (100%)



- Cyan (47%)
- Magenta (73%)
- Yellow (0%)
- Black (0%)





- Cyan (47%)
- Magenta (73%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 104.780, 308.925 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, 104.780, 308.925 by changing the saturation by 10% instead.


 48, 104.780,
308.925


 48, 104.780,
308.925


 100, 104.780,
308.925


 38, 104.780,
308.925


 68, 104.780,
308.925


 28, 104.780,
308.925


 78, 104.780,
308.925


 18, 104.780,
308.925

 88, 104.780,
308.925

 8, 104.780,
308.925

 98, 104.780,
308.925

 0, 104.780,
308.925

 48, 104.780,

 48, 104.780,

308.925

■ 43, 116.575,
309.306

■ 39, 124.954,
309.258

■ 37, 128.780,
308.944

308.925

■ 54, 90.906,
308.282

■ 61, 76.059,
307.517

■ 68, 60.954,
306.724

■ 76, 45.991,
305.959

■ 83, 31.374,
305.252

■ 91, 17.194,
304.611

■ 98, 3.482, 304.026

■ 100, 0.065,
108.985

Harmonies

Complementary

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



48, 104.780, 308.925



93, 89.184, 120.850

Rectangle

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



48, 104.780, 308.925



48, 104.780, 358.925



48, 104.780, 128.925



48, 104.780, 178.925

Sweetspot

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



48, 104.780, 308.926



83, 30.544, 305.212



73, 43.397, 252.909



42, 20.614, 305.396



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, 104.780, 308.926



41, 120.824, 309.347



60, 102.628, 322.966



49, 7.730, 304.428



27, 103.553, 309.116



5, 44.846, 309.085

Inverse Universe

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



61, 81.550, 343.995



58, 87.943, 346.666



89, 102.188, 135.502



50, 7.049, 337.332



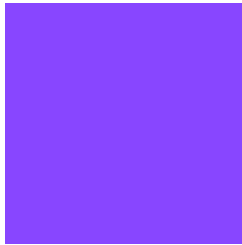
42, 71.871, 349.345



11, 33.894, 345.974

Previews

White Background



This preview shows how the CIELCh color 48, 104.780, 308.925 looks on a white background.

Color Contrast Check

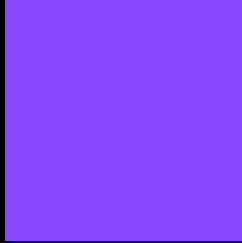
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 48, 104.780, 308.925 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

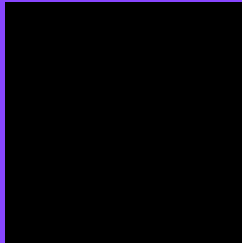
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 104.780, 308.925

Background



This preview shows how black text looks on a background with the CIELCh color 48, 104.780, 308.925.



This preview shows how white text looks on a background with the CIELCh color 48, 104.780, 308.925.

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

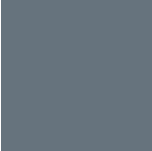
48, 104.780, 308.925

Protanopia

48, 71.302, 286.993

Deuteranopia

48, 50.308, 274.257



Tritanopia
48, 7.587, 250.365

Trichromacy



Original Color
48, 104.780, 308.925



Protanomaly
46, 85.150, 295.208



Deuteranomaly
45, 70.455, 291.109



Tritanomaly
46, 43.676, 301.936

Monochromacy



Original Color
48, 104.780, 308.925



Achromatopsia
47, 0.006, 296.813



Achromatomaly
46, 40.772, 306.564

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 104.780, 308.925 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(136, 70, 255)` looks like.

```
.text, #text, p{  
    color:rgb(136, 70, 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(136, 70, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 70, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 104.780, 308.925 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(136, 70, 255) }
```

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

```
.border{ border-color:rgb(136, 70, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 70, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 70, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 70, 255);  
box-shadow:4px 4px 4px 4px rgb(136, 70,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 104.780, 308.925 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 70, 255) }
```

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

```
.background{ background-color: rgb(136, 70,  
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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