

Converting Colors

CIELCh(48, 104.021, 308.611)

Have a look what the booklet for
CIELCh(48, 104.021, 308.611)
contains.

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Color

CIELCh(48, 103.889, 308.606)

Conversions

Conversions Part 1

Format	Color
Hex	8647FE
RGB	134, 71, 254
RGB Percent	53%, 28%, 100%
CMY	0.4735, 0.7207, 0.0030
CMYK	0.47, 0.72, 0.00, 0.00
HSL	261°, 99%, 64%
HSV	261°, 72%, 100%
XYZ	30.0668, 16.7945, 95.6261
YIQ	110.6990, -21.1950, 70.2690

Conversions

Conversions Part 2

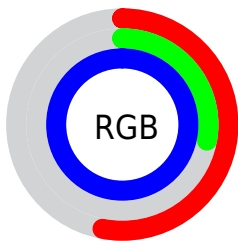
Format	Color
RYB	134, 71, 254
Decimal	8800254
CIELab	48.00, 64.82, -81.18
CIElCh	48, 103.889, 308.606
Yxy	16.7945, 0.2110, 0.1179
Android (android.graphics.Color)	4286990334 (0xFF8647FE)
YUV	110.6990, 70.6474, 20.4350
Hunter-Lab	40.9810, 59.2442, -109.6620

Details

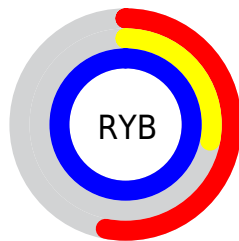
The CIELCh color **48, 103.889, 308.606** is a light color, and the websafe version is hex **9933FF**. The color can be described as light washed purple. A complement of this color would be **93, 88.211, 120.329**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 74.452, 312.863**, and **28, 103.869, 308.635** is the 20% darker color. If you saturate the color by 10%, you get **43, 115.917, 309.047**, and if you desaturate by 10%, it is **54, 89.879, 307.914**.

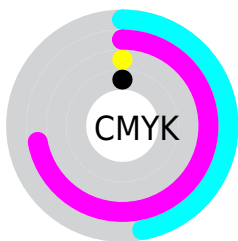
Distribution



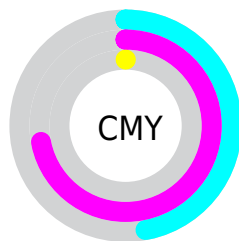
- Red (53%)
- Green (28%)
- Blue (100%)



- Red (53%)
- Yellow (28%)
- Blue (100%)



- Cyan (47%)
- Magenta (72%)
- Yellow (0%)
- Black (0%)





- Cyan (47%)
- Magenta (72%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 103.889, 308.606 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, 103.889, 308.606 by changing the saturation by 10% instead.


 48, 103.889,
308.606


 48, 103.889,
308.606


 100, 103.889,
308.606


 38, 103.889,
308.606


 68, 103.889,
308.606


 28, 103.889,
308.606


 78, 103.889,
308.606


 18, 103.889,
308.606

 88, 103.889,
308.606

 8, 103.889,
308.606

 98, 103.889,
308.606

 0, 103.889,
308.606

 48, 103.889,

 48, 103.889,

308.606

■ 43, 115.917,
309.047

■ 39, 124.602,
309.065

■ 36, 128.844,
308.759

308.606

■ 54, 89.879,
307.914

■ 61, 74.980,
307.112

■ 68, 59.880,
306.291

■ 76, 44.959,
305.507

■ 83, 30.405,
304.785

■ 91, 16.298,
304.134

■ 98, 2.665, 303.537

■ 100, 0.373,
109.943

Harmonies

Complementary

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



48, 103.889, 308.606



93, 88.211, 120.329

Rectangle

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



48, 103.889, 308.606



48, 103.889, 358.606



48, 103.889, 128.606



48, 103.889, 178.606

Sweetspot

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



48, 103.889, 308.607



83, 30.495, 304.786



74, 42.298, 250.025



42, 20.583, 304.975



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, 103.889, 308.607



41, 120.160, 309.114



59, 101.846, 322.429



49, 7.716, 303.984



27, 103.794, 308.927



5, 44.828, 308.779

Inverse Universe

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



61, 81.593, 343.171



58, 88.310, 345.609



89, 101.000, 135.224



50, 7.111, 336.789



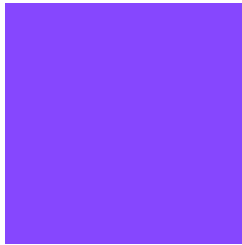
42, 72.358, 348.355



11, 34.123, 345.162

Previews

White Background



This preview shows how the CIELCh color 48, 103.889, 308.606 looks on a white background.

Color Contrast Check

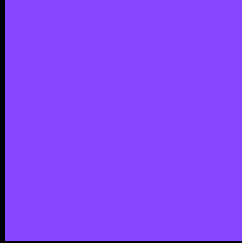
Large Text (above 18pt) WCAG AA ✓ Pass

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, 103.889, 308.606 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

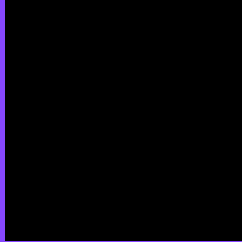
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 103.889, 308.606

Background



This preview shows how black text looks on a background with the CIELCh color 48, 103.889, 308.606.

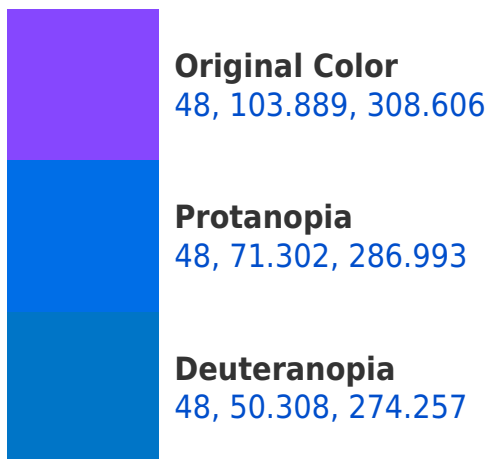


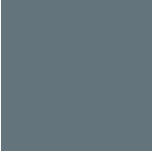
This preview shows how white text looks on a background with the CIELCh color 48, 103.889, 308.606.

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





Tritanopia
48, 7.928, 241.147

Trichromacy



Original Color
48, 103.889, 308.606



Protanomaly
46, 83.977, 294.839



Deuteranomaly
45, 70.455, 291.109



Tritanomaly
46, 42.972, 300.687

Monochromacy



Original Color
48, 103.889, 308.606



Achromatopsia
47, 0.006, 296.813



Achromatomaly
46, 40.050, 305.726

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 103.889, 308.606 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(134, 71, 254)` looks like.

```
.text, #text, p{  
    color:rgb(134, 71, 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(134, 71, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 71, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 103.889, 308.606 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(134, 71, 254) }
```

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

```
.border{ border-color:rgb(134, 71, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 71, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 71, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 71, 254);  
box-shadow:4px 4px 4px 4px rgb(134, 71,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 103.889, 308.606 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 71, 254) }
```

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

```
.background{ background-color: rgb(134, 71,  
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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