

Converting Colors

CIELCh(49, 101.658, 307.782)

Have a look what the booklet for
CIELCh(49, 101.658, 307.782)
contains.

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Color

CIELCh(49, 101.384, 307.774)

Conversions

Conversions Part 1

Format	Color
Hex	854DFF
RGB	133, 77, 255
RGB Percent	52%, 30%, 100%
CMY	0.4772, 0.6970, 0.0000
CMYK	0.48, 0.70, 0.00, 0.00
HSL	259°, 100%, 65%
HSV	259°, 70%, 100%
XYZ	30.4898, 17.5941, 96.6435
YIQ	114.0360, -23.7620, 67.2300

Conversions

Conversions Part 2

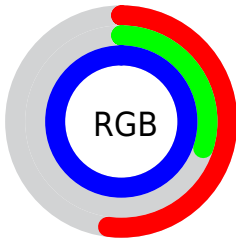
Format	Color
R _{YB}	133, 77, 255
Decimal	8736255
CIE _{Lab}	49.00, 62.10, -80.14
CIE _{LCh}	49, 101.384, 307.774
Y _{xy}	17.5941, 0.2107, 0.1216
Android (android.graphics.Color)	4286926335 (0xFF854DFF)
YUV	114.0360, 69.4953, 16.6314
Hunter-Lab	41.9453, 56.3463, -107.2447

Details

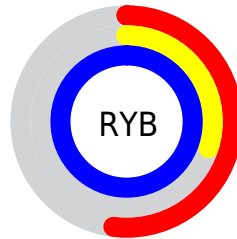
The CIELCh color **49, 101.384, 307.774** is a light color, and the websafe version is hex **9933FF**. The color can be described as light washed purple. A complement of this color would be **94, 85.740, 119.082**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 71.419, 311.953**, and **29, 101.253, 307.775** is the 20% darker color. If you saturate the color by 10%, you get **43, 114.072, 308.394**, and if you desaturate by 10%, it is **56, 86.748, 306.963**.

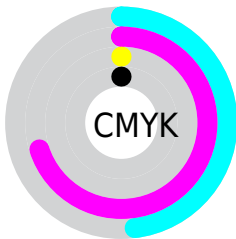
Distribution



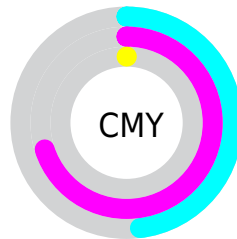
- Red (52%)
- Green (30%)
- Blue (100%)



- Red (52%)
- Yellow (30%)
- Blue (100%)



- Cyan (48%)
- Magenta (70%)
- Yellow (0%)
- Black (0%)





- Cyan (48%)
- Magenta (70%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 101.384, 307.774 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 49, 101.384, 307.774 by changing the saturation by 10% instead.


 49, 101.384,
307.774


 49, 101.384,
307.774


 100, 101.384,
307.774


 39, 101.384,
307.774


 69, 101.384,
307.774


 29, 101.384,
307.774


 79, 101.384,
307.774

 19, 101.384,
307.774

 89, 101.384,
307.774

 9, 101.384,
307.774

 99, 101.384,
307.774

 0, 101.384,
307.774

 49, 101.384,

 49, 101.384,

307.774

307.774

■ 43, 114.072,
308.394

■ 56, 86.748,
306.963

■ 39, 123.847,
308.615

■ 63, 71.620,
306.069

■ 36, 129.669,
308.357

■ 70, 56.456,
305.186

■ 36, 129.818,
308.349

■ 77, 41.570,
304.359

■ 85, 27.105,
303.609

■ 93, 13.117,
302.940

■ 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.



49, 101.384, 307.774



94, 85.740, 119.082

Rectangle

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



49, 101.384, 307.774



49, 101.384, 357.774



49, 101.384, 127.774



49, 101.384, 177.774

Sweetspot

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



49, 101.239, 307.784



84, 28.955, 303.702



77, 40.306, 243.725



43, 19.692, 303.904



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



49, 101.239, 307.784



41, 118.734, 308.548



60, 99.745, 321.359



49, 7.684, 302.928



26, 104.344, 308.509



5, 44.781, 308.071

Inverse Universe

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



62, 81.627, 341.201



58, 89.257, 343.328



90, 98.050, 134.664



50, 7.260, 335.544



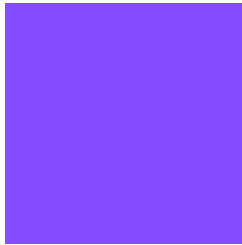
42, 73.607, 346.089



11, 34.696, 343.300

Previews

White Background



This preview shows how the CIELCh color 49, 101.384, 307.774 looks on a white background.

Color Contrast Check

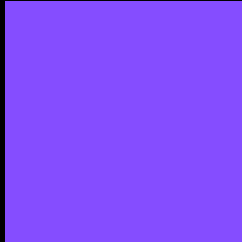
Large Text (above 18pt) WCAG AA ✓ Pass

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 49, 101.384, 307.774 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

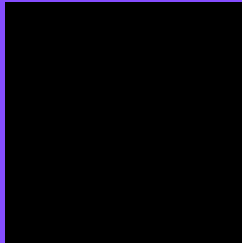
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 101.384, 307.774

Background



This preview shows how black text looks on a background with the CIELCh color 49, 101.384, 307.774.



This preview shows how white text looks on a background with the CIELCh color 49, 101.384, 307.774.

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

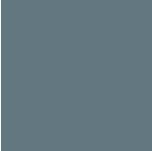
49, 101.384, 307.774

Protanopia

49, 72.787, 287.194

Deuteranopia

49, 51.808, 274.950



Tritanopia
49, 9.328, 238.046

Trichromacy



Original Color
49, 101.384, 307.774



Protanomaly
47, 84.274, 294.362



Deuteranomaly
47, 70.174, 290.181



Tritanomaly
47, 42.064, 298.468

Monochromacy



Original Color
49, 101.384, 307.774



Achromatopsia
48, 0.006, 296.813



Achromatomaly
47, 38.593, 304.925

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 101.384, 307.774 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(133, 77, 255)` looks like.

```
.text, #text, p{  
    color:rgb(133, 77, 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(133, 77, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 77, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 101.384, 307.774 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(133, 77, 255) }
```

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

```
.border{ border-color:rgb(133, 77, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 77, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 77, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 77, 255);  
box-shadow:4px 4px 4px 4px rgb(133, 77,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 101.384, 307.774 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 77, 255) }
```

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

```
.background{ background-color: rgb(133, 77,  
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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