

Converting Colors

CIELCh(49, 93.056, 300.483)

Have a look what the booklet for
CIELCh(49, 93.056, 300.483)
contains.

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Color

CIELCh(49, 92.911, 300.463)

Conversions

Conversions Part 1

Format	Color
Hex	5E5EFF
RGB	94, 94, 255
RGB Percent	37%, 37%, 100%
CMY	0.6315, 0.6315, 0.0002
CMYK	0.63, 0.63, 0.00, 0.00
HSL	240°, 100%, 68%
HSV	240°, 63%, 100%
XYZ	26.6547, 17.5941, 96.5650
YIQ	112.3540, -51.6810, 50.0710

Conversions

Conversions Part 2

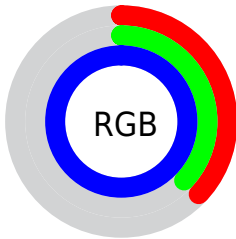
Format	Color
R_{YB}	94, 94, 255
Decimal	6184703
CIE _{Lab}	49.00, 47.10, -80.09
CIE _{LCh}	49, 92.911, 300.463
Yxy	17.5941, 0.1893, 0.1249
Android (android.graphics.Color)	4284374783 (0xFF5E5EFF)
YUV	112.3540, 70.3245, -16.0965
Hunter-Lab	41.9453, 40.0259, -107.1338

Details

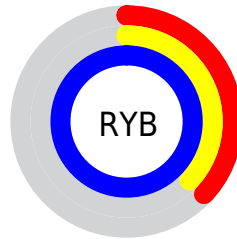
The CIELCh color $49, 92.911, 300.463$ is a dark color, and the websafe version is hex $6666FF$. The color can be described as middle muted blue. A complement of this color would be $97, 76.382, 104.345$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 61.188, 299.824$, and $30, 92.529, 301.190$ is the 20% darker color. If you saturate the color by 10%, you get $42, 108.413, 302.677$, and if you desaturate by 10%, it is $57, 76.888, 298.252$.

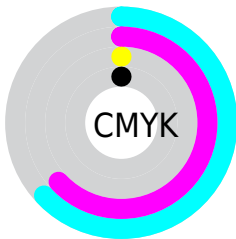
Distribution



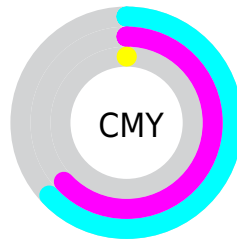
- Red (37%)
- Green (37%)
- Blue (100%)



- Red (37%)
- Yellow (37%)
- Blue (100%)



- Cyan (63%)
- Magenta (63%)
- Yellow (0%)
- Black (0%)



- Cyan (63%)
- Magenta (63%)
- Yellow (0%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 92.911, 300.463 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, 92.911, 300.463 by changing the saturation by 10% instead.

 49, 92.911,
300.463


 49, 92.911,
300.463

 100, 92.911,
300.463

 39, 92.911,
300.463

 69, 92.911,
300.463


 29, 92.911,
300.463

 79, 92.911,
300.463

 19, 92.911,
300.463

 89, 92.911,
300.463

 9, 92.911, 300.463

 99, 92.911,
300.463

 0, 92.911, 300.463

 49, 92.911,

 49, 92.911,

300.463

300.463

■ 42, 108.413,
302.677

■ 57, 76.888,
298.252

■ 37, 121.746,
304.588

■ 65, 61.141,
296.218

■ 33, 130.614,
305.842

■ 73, 45.961,
294.430

■ 32, 133.800,
306.287

■ 81, 31.412,
292.895

■ 89, 17.474,
291.594

■ 97, 4.106, 290.506

100, 0.009,
101.147

Harmonies

Complementary

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



49, 92.911, 300.463



97, 76.382, 104.345

Rectangle

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



49, 92.911, 300.463



49, 92.911, 350.463



49, 92.911, 120.463



49, 92.911, 170.463

Sweetspot

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



49, 92.911, 300.464



84, 25.564, 292.329



92, 43.352, 194.908



43, 17.700, 292.716



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, 92.911, 300.464



41, 112.549, 303.270



56, 91.592, 311.768



49, 7.504, 291.173



23, 107.780, 306.287



3, 44.126, 301.758

Inverse Universe

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



62, 69.609, 28.567



57, 84.840, 32.814



92, 82.757, 125.763



49, 5.254, 19.942



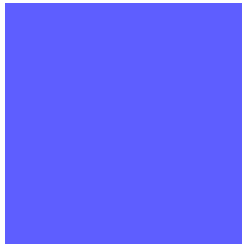
40, 84.229, 40.000



10, 33.367, 27.176

Previews

White Background



This preview shows how the CIELCh color 49, 92.911, 300.463 looks on a white background.

Color Contrast Check

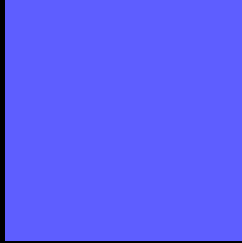
Large Text (above 18pt) WCAG AA ✓ Pass

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, 92.911, 300.463 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

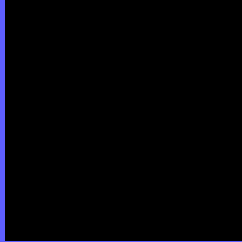
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 92.911, 300.463

Background



This preview shows how black text looks on a background with the CIELCh color 49, 92.911, 300.463.

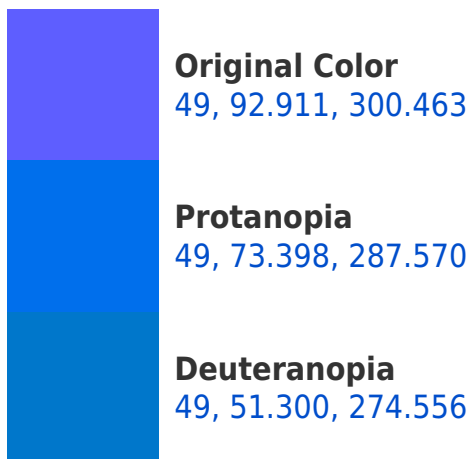


This preview shows how white text looks on a background with the CIELCh color 49, 92.911, 300.463.

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
49, 27.940, 209.057

Trichromacy



Original Color
49, 92.911, 300.463

Protanomaly
48, 80.683, 291.798

Deuteranomaly
48, 66.135, 286.505

Tritanomaly
48, 40.645, 270.966

Monochromacy



Original Color
49, 92.911, 300.463

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 34.988, 294.736

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 92.911, 300.463 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(94, 94, 255)` looks like.

```
.text, #text, p{  
    color:rgb(94, 94, 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(94, 94, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 94, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 92.911, 300.463 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(94, 94, 255) }
```

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

```
.border{ border-color:rgb(94, 94, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 94, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 94, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 94, 255);  
box-shadow:4px 4px 4px 4px rgb(94, 94,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 92.911, 300.463 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 94, 255) }
```

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

```
.background{ background-color: rgb(94, 94,  
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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