

Converting Colors

CIELCh(50, 90.074, 299.001)

Have a look what the booklet for
CIELCh(50, 90.074, 299.001)
contains.

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Color

CIELCh(50, 89.963, 299.002)

Conversions

Conversions Part 1

Format	Color
Hex	5A63FF
RGB	90, 99, 255
RGB Percent	35%, 39%, 100%
CMY	0.6453, 0.6106, 0.0000
CMYK	0.65, 0.61, 0.00, 0.00
HSL	237°, 100%, 68%
HSV	237°, 65%, 100%
XYZ	26.8565, 18.4187, 97.0494
YIQ	114.0930, -55.4400, 46.6080

Conversions

Conversions Part 2

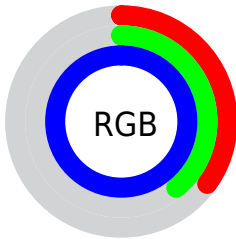
Format	Color
R_{YB}	90, 99, 255
Decimal	5923839
CIE _{Lab}	50.00, 43.62, -78.68
CIE _{LCh}	50, 89.963, 299.002
Yxy	18.4187, 0.1887, 0.1294
Android (android.graphics.Color)	4284113919 (0xFF5A63FF)
YUV	114.0930, 69.4672, -21.1296
Hunter-Lab	42.9170, 36.5966, -104.0324

Details

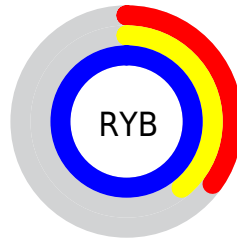
The CIELCh color **50, 89.963, 299.002** is a dark color, and the websafe version is hex **6666FF**. The color can be described as middle muted azure. A complement of this color would be **95, 74.484, 101.507**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 58.120, 297.483**, and **31, 89.562, 300.160** is the 20% darker color. If you saturate the color by 10%, you get **43, 104.797, 301.412**, and if you desaturate by 10%, it is **57, 74.517, 296.619**.

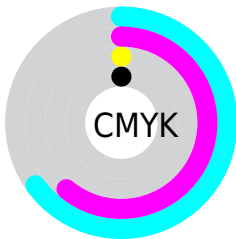
Distribution



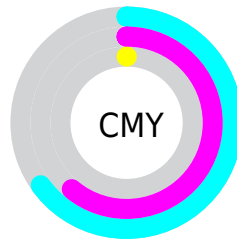
- Red (35%)
- Green (39%)
- Blue (100%)



- Red (35%)
- Yellow (39%)
- Blue (100%)



- Cyan (65%)
- Magenta (61%)
- Yellow (0%)
- Black (0%)





- Cyan (65%)
- Magenta (61%)
- Yellow (0%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 89.963, 299.002 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 50, 89.963, 299.002 by changing the saturation by 10% instead.


 50, 89.963,
299.002


 50, 89.963,
299.002


 100, 89.963,
299.002


 40, 89.963,
299.002


 70, 89.963,
299.002

 30, 89.963,
299.002


 80, 89.963,
299.002


 20, 89.963,
299.002

 90, 89.963,
299.002

 10, 89.963,
299.002

 0, 89.963, 299.002

 50, 89.963,
299.002

 50, 89.963,
299.002

43, 104.797,
301.412

57, 74.517,
296.619

38, 118.304,
303.627

65, 59.619,
294.465

34, 128.302,
305.288

73, 45.274,
292.578

33, 131.670,
305.843

81, 31.512,
290.958

89, 18.303,
289.583

96, 5.607, 288.426

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.



50, 89.963, 299.002



95, 74.484, 101.507

Rectangle

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



50, 89.963, 299.002



50, 89.963, 349.002



50, 89.963, 119.002



50, 89.963, 169.002

Sweetspot

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



50, 89.773, 298.986



85, 24.139, 290.169



92, 45.193, 189.336



43, 16.707, 290.568



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



50, 89.773, 298.986



42, 108.340, 301.992



54, 93.574, 310.445



49, 7.094, 288.974



24, 105.389, 305.669



4, 42.419, 300.841

Inverse Universe

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



61, 69.561, 25.281



57, 83.331, 29.779



93, 83.124, 123.898



49, 5.260, 15.592



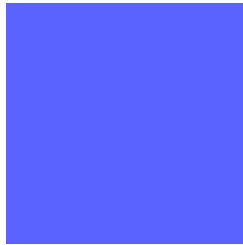
40, 81.977, 37.968



10, 32.935, 25.015

Previews

White Background



This preview shows how the CIE LCh color 50, 89.963, 299.002 looks on a white background.

Color Contrast Check

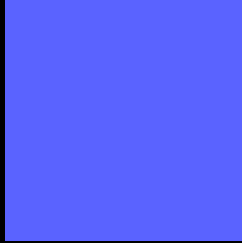
Large Text (above 18pt) WCAG AA ✓ Pass

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 50, 89.963, 299.002 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

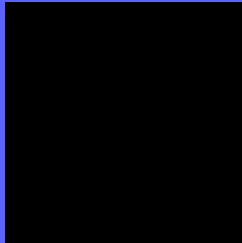
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 89.963, 299.002

Background



This preview shows how black text looks on a background with the CIELCh color 50, 89.963, 299.002.



This preview shows how white text looks on a background with the CIELCh color 50, 89.963, 299.002.

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
50, 29.482, 209.458

Trichromacy



Original Color
50, 89.963, 299.002

Protanomaly
49, 79.826, 290.912

Deuteranomaly
49, 65.970, 285.797

Tritanomaly
48, 40.794, 267.360

Monochromacy



Original Color
50, 89.963, 299.002

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 33.041, 292.191

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 89.963, 299.002 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(90, 99, 255)` looks like.

```
.text, #text, p{  
    color:rgb(90, 99, 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(90, 99, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 99, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 89.963, 299.002 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(90, 99, 255) }
```

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

```
.border{ border-color:rgb(90, 99, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 99, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 99, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 99, 255);  
box-shadow:4px 4px 4px 4px rgb(90, 99,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 89.963, 299.002 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 99, 255) }
```

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

```
.background{ background-color: rgb(90, 99,  
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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