

Converting Colors

CIELCh(49, 83.976, 291.307)

Have a look what the booklet for
CIELCh(49, 83.976, 291.307)
contains.

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Color

CIELCh(49, 83.963, 291.360)

Conversions

Conversions Part 1

Format	Color
Hex	056BFB
RGB	5, 107, 251
RGB Percent	2%, 42%, 98%
CMY	0.9796, 0.5793, 0.0143
CMYK	0.98, 0.57, 0.00, 0.01
HSL	215°, 97%, 50%
HSV	215°, 98%, 99%
XYZ	22.8180, 17.5941, 93.7441
YIQ	92.9180, -107.0160, 23.1600

Conversions

Conversions Part 2

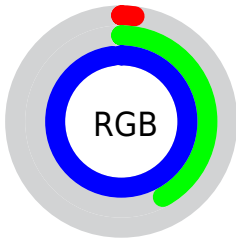
Format	Color
RYB	5, 77, 251
Decimal	355323
CIELab	49.00, 30.58, -78.20
CIELCh	49, 83.963, 291.360
Yxy	17.5941, 0.1701, 0.1311
Android (android.graphics.Color)	4278545403 (0xFF056BFB)
YUV	92.9180, 77.9344, -77.1041
Hunter-Lab	41.9453, 23.6990, -103.1464

Details

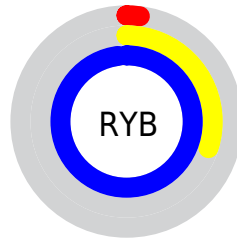
The CIELCh color **49, 83.963, 291.360** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark saturated azure. A complement of this color would be **71, 81.511, 67.917**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 54.284, 283.189**, and **32, 81.744, 297.643** is the 20% darker color. If you saturate the color by 10%, you get **48, 85.886, 292.164**, and if you desaturate by 10%, it is **53, 74.791, 287.241**.

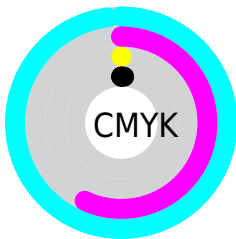
Distribution



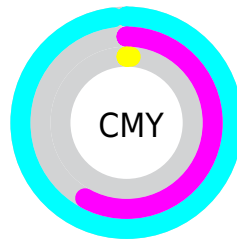
- Red (2%)
- Green (42%)
- Blue (98%)



- Red (2%)
- Yellow (30%)
- Blue (98%)



- Cyan (98%)
- Magenta (57%)
- Yellow (0%)
- Black (1%)



- Cyan (98%)
- Magenta (58%)
- Yellow (1%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 83.963, 291.360 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, 83.963, 291.360 by changing the saturation by 10% instead.


 49, 83.963,
291.360

 49, 83.963,
291.360


 100, 83.963,
291.360


 39, 83.963,
291.360

 69, 83.963,
291.360


 29, 83.963,
291.360

 79, 83.963,
291.360

 19, 83.963,
291.360

 89, 83.963,
291.360

 9, 83.963, 291.360

 99, 83.963,
291.360

 0, 83.963, 291.360

 49, 83.963,

 49, 83.963,

291.360

■ 48, 85.886,
292.164

291.360

■ 53, 74.791,
287.241

■ 58, 65.838,
283.188

■ 62, 57.111,
279.421

■ 68, 48.551,
276.053

■ 73, 40.090,
273.122

■ 78, 31.678,
270.612

■ 83, 23.292,
268.480

■ 89, 14.928,
266.676

Harmonies

Complementary

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



49, 83.963, 291.360



71, 81.511, 67.917

Rectangle

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



49, 83.963, 291.360



49, 83.963, 341.360



49, 83.963, 111.360



49, 83.963, 161.360

Sweetspot

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



49, 83.963, 291.362



84, 24.472, 268.696



88, 80.251, 153.740



42, 16.803, 269.579



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, 83.963, 291.362



49, 86.902, 292.196



33, 130.985, 306.389



49, 4.703, 265.382



36, 67.964, 291.421



9, 26.704, 285.255

Inverse Universe

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



54, 83.370, 10.279



54, 84.764, 11.366



94, 95.977, 107.996



49, 5.943, 349.327



40, 67.486, 10.323



10, 30.524, 3.172

Previews

White Background



This preview shows how the CIE LCh color 49, 83.963, 291.360 looks on a white background.

Color Contrast Check

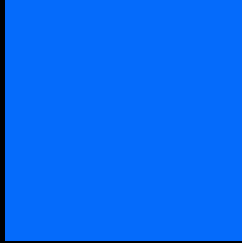
Large Text (above 18pt) WCAG AA ✓ Pass

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, 83.963, 291.360 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

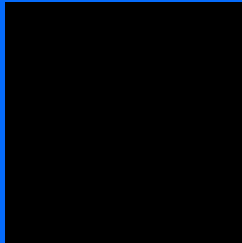
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

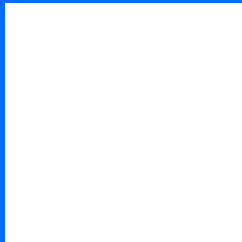
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 49, 83.963, 291.360

Background



This preview shows how black text looks on a background with the CIELCh color 49, 83.963, 291.360.



This preview shows how white text looks on a background with the CIELCh color 49, 83.963, 291.360.

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, 83.955, 291.396

Protanopia

49, 73.398, 287.570

Deuteranopia

49, 51.300, 274.556



Tritanopia
49, 29.138, 206.012

Trichromacy



Original Color
49, 83.955, 291.396

Protanomaly
49, 77.248, 289.024

Deuteranomaly
49, 62.912, 282.640

Tritanomaly
48, 38.942, 260.739

Monochromacy



Original Color
49, 83.955, 291.396

Achromatopsia
39, 0.006, 296.813

Achromatomaly
41, 33.171, 276.267

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 83.963, 291.360 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(5, 107, 251)` looks like.

```
.text, #text, p{  
    color:rgb(5, 107, 251)  
}
```

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(5, 107, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 107, 251) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 83.963, 291.360 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(5, 107, 251) }
```

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

```
.border{ border-color:rgb(5, 107, 251) }
```

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

Here you see how a box with a 4 pixel rgb(5, 107, 251) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 107, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(5, 107, 251);  
box-shadow:4px 4px 4px 4px rgb(5, 107,  
251) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 83.963, 291.360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 107, 251) }
```

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

```
.background{ background-color: rgb(5, 107,  
251) }
```

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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