

Converting Colors

CIELCh(49, 82.620, 291.626)

Have a look what the booklet for
CIELCh(49, 82.620, 291.626)
contains.

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Color

CIELCh(49, 82.749, 291.681)

Conversions

Conversions Part 1

Format	Color
Hex	1B6BF9
RGB	27, 107, 249
RGB Percent	11%, 42%, 98%
CMY	0.8937, 0.5803, 0.0234
CMYK	0.89, 0.57, 0.00, 0.02
HSL	218°, 95%, 54%
HSV	218°, 89%, 98%
XYZ	22.8156, 17.5941, 91.8347
YIQ	99.2680, -93.2620, 27.2020

Conversions

Conversions Part 2

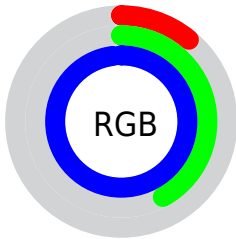
Format	Color
R _Y B	27, 86, 249
Decimal	1797113
CIE Lab	49.00, 30.57, -76.89
CIE LCh	49, 82.749, 291.681
Yxy	17.5941, 0.1725, 0.1330
Android (android.graphics.Color)	4279987193 (0xFF1B6BF9)
YUV	99.2680, 73.8179, -63.3790
Hunter-Lab	41.9453, 23.6888, -100.4474

Details

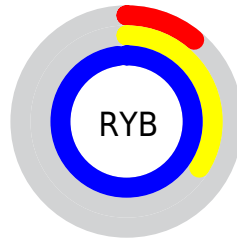
The CIELCh color **49, 82.749, 291.681** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark washed azure. A complement of this color would be **75, 77.410, 75.353**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 54.140, 284.112**, and **32, 80.642, 297.444** is the 20% darker color. If you saturate the color by 10%, you get **45, 92.899, 295.439**, and if you desaturate by 10%, it is **54, 72.686, 287.871**.

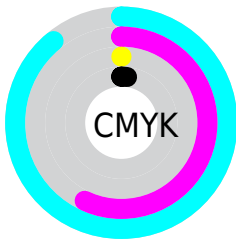
Distribution



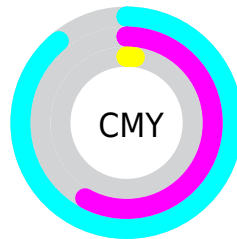
- Red (11%)
- Green (42%)
- Blue (98%)



- Red (11%)
- Yellow (34%)
- Blue (98%)



- Cyan (89%)
- Magenta (57%)
- Yellow (0%)
- Black (2%)




- Cyan (89%)
- Magenta (58%)
- Yellow (2%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 82.749, 291.681 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, 82.749, 291.681 by changing the saturation by 10% instead.


 49, 82.749,
291.681


 49, 82.749,
291.681


 100, 82.749,
291.681

 39, 82.749,
291.681

 69, 82.749,
291.681


 29, 82.749,
291.681

 79, 82.749,
291.681

 19, 82.749,
291.681

 89, 82.749,
291.681

 9, 82.749, 291.681

 99, 82.749,
291.681

 0, 82.749, 291.681

 49, 82.749,

 49, 82.749,

291.681

■ 45, 92.899,
295.439

■ 44, 93.790,
295.745

291.681

■ 54, 72.686,
287.871

■ 59, 62.862,
284.259

■ 64, 53.298,
280.985

■ 70, 43.949,
278.107

■ 75, 34.768,
275.624

■ 81, 25.719,
273.502

■ 87, 16.786,
271.698

■ 93, 7.961, 270.174

Harmonies

Complementary

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



49, 82.749, 291.681



75, 77.410, 75.353

Rectangle

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



49, 82.749, 291.681



49, 82.749, 341.681



49, 82.749, 111.681



49, 82.749, 161.681

Sweetspot

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



49, 82.749, 291.683



84, 24.279, 273.101



87, 71.501, 158.961



43, 16.394, 273.766



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, 82.749, 291.683



45, 95.619, 295.793



35, 124.062, 306.302



49, 4.977, 270.226



34, 74.785, 295.091



8, 29.297, 289.419

Inverse Universe

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



54, 80.863, 10.919



54, 85.982, 16.716



93, 93.652, 110.572



49, 5.754, 352.767



40, 68.302, 15.601



9, 30.458, 7.672

Previews

White Background



This preview shows how the CIE LCh color 49, 82.749, 291.681 looks on a white background.

Color Contrast Check

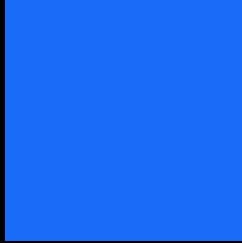
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 49, 82.749, 291.681 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

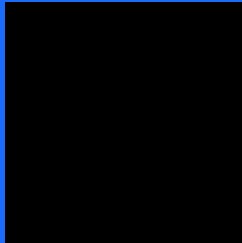
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

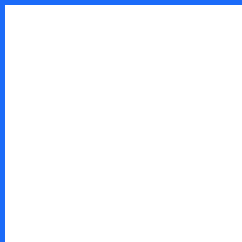
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 49, 82.749, 291.681

Background



This preview shows how black text looks on a background with the CIELCh color 49, 82.749, 291.681.



This preview shows how white text looks on a background with the CIELCh color 49, 82.749, 291.681.

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, 82.749, 291.681

Protanopia

49, 73.398, 287.570

Deuteranopia

49, 51.821, 275.199



Tritanopia
49, 29.138, 206.012

Trichromacy



Original Color
49, 82.749, 291.681

Protanomaly
49, 76.671, 289.023

Deuteranomaly
49, 62.910, 283.085

Tritanomaly
48, 38.352, 260.499

Monochromacy



Original Color
49, 82.749, 291.681

Achromatopsia
42, 0.006, 296.813

Achromatomaly
43, 31.967, 278.764

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 82.749, 291.681 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(27, 107, 249)` looks like.

```
.text, #text, p{  
    color:rgb(27, 107, 249)  
}
```

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(27, 107, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 107, 249) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 82.749, 291.681 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(27, 107, 249) }
```

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

```
.border{ border-color:rgb(27, 107, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(27, 107, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 107, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 107, 249);  
box-shadow:4px 4px 4px 4px rgb(27, 107,  
249) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 82.749, 291.681 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 107, 249) }
```

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

```
.background{ background-color: rgb(27, 107,  
249) }
```

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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