

Converting Colors

CIELCh(49, 88.130, 293.227)

Have a look what the booklet for
CIELCh(49, 88.130, 293.227)
contains.

CIELCh(49, 87.228, 293.003)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(49, 87.228, 293.003)

Conversions

Conversions Part 1

Format	Color
Hex	1B69FF
RGB	27, 105, 255
RGB Percent	11%, 41%, 100%
CMY	0.8923, 0.5878, 0.0000
CMYK	0.89, 0.59, 0.00, 0.00
HSL	220°, 100%, 55%
HSV	220°, 89%, 100%
XYZ	23.5990, 17.5941, 96.8771
YIQ	98.7780, -94.6380, 30.1140

Conversions

Conversions Part 2

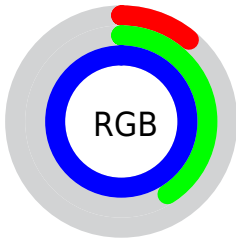
Format	Color
RYP	27, 85, 255
Decimal	1796607
CIELab	49.00, 34.09, -80.29
CIElCh	49, 87.228, 293.003
Yxy	17.5941, 0.1709, 0.1274
Android (android.graphics.Color)	4279986687 (0xFF1B69FF)
YUV	98.7780, 77.0174, -62.9493
Hunter-Lab	41.9453, 27.0222, -107.5749

Details

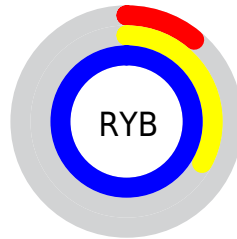
The CIELCh color **49, 87.228, 293.003** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark washed azure. A complement of this color would be **78, 79.121, 77.013**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 55.175, 285.536**, and **32, 85.212, 298.530** is the 20% darker color. If you saturate the color by 10%, you get **45, 97.801, 296.626**, and if you desaturate by 10%, it is **54, 76.509, 289.262**.

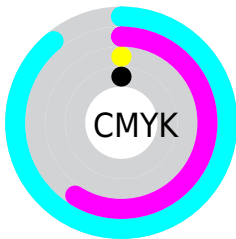
Distribution



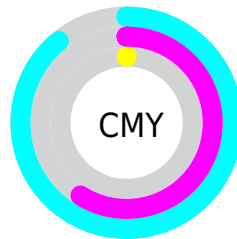
- Red (11%)
- Green (41%)
- Blue (100%)



- Red (11%)
- Yellow (33%)
- Blue (100%)



- Cyan (89%)
- Magenta (59%)
- Yellow (0%)
- Black (0%)



- Cyan (89%)
- Magenta (59%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 87.228, 293.003 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, 87.228, 293.003 by changing the saturation by 10% instead.

 49, 87.228,
293.003


 49, 87.228,
293.003

 100, 87.228,
293.003


 39, 87.228,
293.003

 69, 87.228,
293.003


 29, 87.228,
293.003

 79, 87.228,
293.003

 19, 87.228,
293.003

 89, 87.228,
293.003

 9, 87.228, 293.003

 99, 87.228,
293.003

 0, 87.228, 293.003

 49, 87.228,

 49, 87.228,

293.003

293.003

■ 45, 97.801,
296.626

■ 54, 76.509,
289.262

■ 44, 98.615,
296.885

■ 59, 66.093,
285.709

■ 65, 55.963,
282.476

■ 71, 46.088,
279.625

■ 76, 36.422,
277.162

■ 82, 26.929,
275.054

■ 88, 17.585,
273.260

■ 94, 8.382, 271.743

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, 87.228, 293.003



78, 79.121, 77.013

Rectangle

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



49, 87.228, 293.003



49, 87.228, 343.003



49, 87.228, 113.003



49, 87.228, 163.003

Sweetspot

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



49, 87.154, 292.988



84, 24.835, 274.629



89, 71.522, 160.052



42, 16.777, 275.287



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, 87.154, 292.988



44, 98.615, 296.885



36, 126.276, 306.471



50, 5.165, 271.781



33, 77.993, 296.243



8, 31.282, 291.037

Inverse Universe

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



55, 82.667, 12.730



54, 86.603, 18.524



95, 95.683, 111.487



50, 5.789, 354.012



40, 69.446, 17.450



10, 31.327, 9.690

Previews

White Background



This preview shows how the CIE LCh color 49, 87.228, 293.003 looks on a white background.

Color Contrast Check

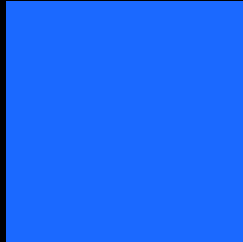
Large Text (above 18pt) WCAG AA ✓ Pass

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, 87.228, 293.003 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

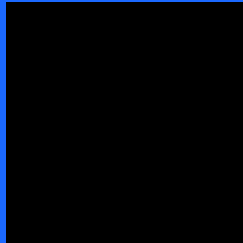
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

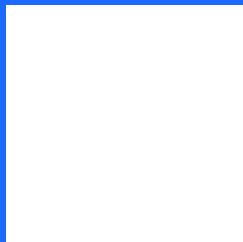
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 49, 87.228, 293.003

Background



This preview shows how black text looks on a background with the CIELCh color 49, 87.228, 293.003.



This preview shows how white text looks on a background with the CIELCh color 49, 87.228, 293.003.

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, 87.228, 293.003

Protanopia

49, 73.398, 287.570

Deuteranopia

49, 51.312, 274.808



Tritanopia
49, 29.138, 206.012

Trichromacy



Original Color
49, 87.228, 293.003

Protanomaly
49, 78.371, 289.686

Deuteranomaly
48, 64.036, 283.797

Tritanomaly
48, 39.220, 261.852

Monochromacy



Original Color
49, 87.228, 293.003

Achromatopsia
42, 0.006, 296.813

Achromatomaly
43, 33.650, 280.532

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 87.228, 293.003 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, 105, 255)` looks like.

```
.text, #text, p{  
    color:rgb(27, 105, 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(27, 105, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 105, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 87.228, 293.003 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, 105, 255) }
```

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

```
.border{ border-color:rgb(27, 105, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(27, 105, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 105, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 105, 255);  
box-shadow:4px 4px 4px 4px rgb(27, 105,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 87.228, 293.003 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 105, 255) }
```

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

```
.background{ background-color: rgb(27, 105,  
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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