

Converting Colors

CIELCh(49, 76.847, 289.339)

Have a look what the booklet for
CIELCh(49, 76.847, 289.339)
contains.

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Color

CIELCh(49, 76.626, 289.228)

Conversions

Conversions Part 1

Format	Color
Hex	126EF1
RGB	18, 110, 241
RGB Percent	7%, 43%, 95%
CMY	0.9314, 0.5691, 0.0554
CMYK	0.93, 0.54, 0.00, 0.06
HSL	215°, 89%, 51%
HSV	215°, 93%, 94%
XYZ	21.6605, 17.5941, 85.3684
YIQ	97.4260, -96.8830, 21.2370

Conversions

Conversions Part 2

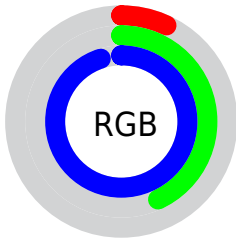
Format	Color
R _Y B	18, 83, 241
Decimal	1208049
CIE Lab	49.00, 25.24, -72.35
CIE LCh	49, 76.626, 289.228
Yxy	17.5941, 0.1738, 0.1412
Android (android.graphics.Color)	4279398129 (0xFF126EF1)
YUV	97.4260, 70.7820, -69.6566
Hunter-Lab	41.9453, 18.7728, -91.3073

Details

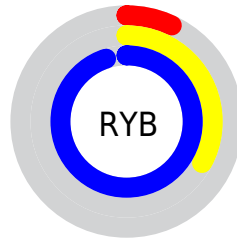
The CIELCh color **49, 76.626, 289.228** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark washed azure. A complement of this color would be **70, 76.979, 69.601**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 52.679, 281.661**, and **32, 74.763, 295.760** is the 20% darker color. If you saturate the color by 10%, you get **46, 83.127, 292.148**, and if you desaturate by 10%, it is **53, 67.850, 285.124**.

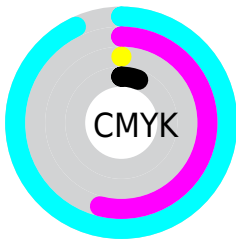
Distribution



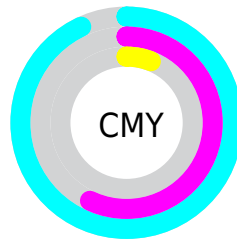
- Red (7%)
- Green (43%)
- Blue (95%)



- Red (7%)
- Yellow (33%)
- Blue (95%)



- Cyan (93%)
- Magenta (54%)
- Yellow (0%)
- Black (6%)



- Cyan (93%)
- Magenta (57%)
- Yellow (6%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 76.626, 289.228 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, 76.626, 289.228 by changing the saturation by 10% instead.


 49, 76.626,
289.228

 49, 76.626,
289.228


 100, 76.626,
289.228


 39, 76.626,
289.228

 69, 76.626,
289.228

 29, 76.626,
289.228

 79, 76.626,
289.228

 19, 76.626,
289.228

 89, 76.626,
289.228

 9, 76.626, 289.228

 99, 76.626,
289.228

 0, 76.626, 289.228

 49, 76.626,

 49, 76.626,

289.228

289.228

■ 46, 83.127,
292.148

■ 53, 67.850,
285.124

■ 58, 59.300,
281.218

■ 63, 50.942,
277.667

■ 68, 42.712,
274.541

■ 73, 34.550,
271.846

■ 78, 26.424,
269.548

■ 83, 18.321,
267.600

■ 88, 10.243,
265.955

Harmonies

Complementary

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



49, 76.626, 289.228



70, 76.979, 69.601

Rectangle

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



49, 76.626, 289.228



49, 76.626, 339.228



49, 76.626, 109.228



49, 76.626, 159.228

Sweetspot

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



49, 76.626, 289.230



84, 23.655, 268.602



85, 75.338, 154.998



43, 16.342, 269.480



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, 76.626, 289.230



49, 87.080, 292.277



32, 124.072, 306.151



47, 4.550, 265.481



35, 66.591, 291.420



8, 24.867, 284.531

Inverse Universe

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



52, 79.585, 7.682



54, 84.780, 11.477



91, 91.826, 107.848



47, 5.738, 349.392



39, 66.125, 10.322



8, 28.885, 2.409

Previews

White Background



This preview shows how the CIE LCh color 49, 76.626, 289.228 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, 76.626, 289.228 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

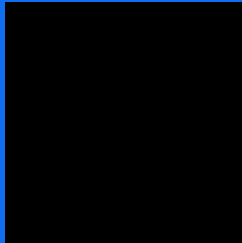
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

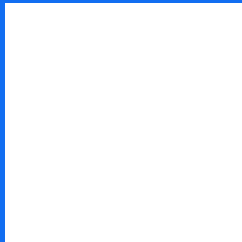
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 49, 76.626, 289.228

Background



This preview shows how black text looks on a background with the CIELCh color 49, 76.626, 289.228.



This preview shows how white text looks on a background with the CIELCh color 49, 76.626, 289.228.

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, 76.626, 289.228

Protanopia

49, 73.938, 287.754

Deuteranopia

49, 52.332, 275.584



Tritanopia
49, 29.138, 206.012

Trichromacy



Original Color
49, 76.626, 289.228

Protanomaly
49, 74.451, 288.067

Deuteranomaly
49, 60.751, 281.688

Tritanomaly
48, 36.823, 257.072

Monochromacy



Original Color
49, 76.626, 289.228

Achromatopsia
41, 0.006, 296.813

Achromatomaly
43, 29.530, 273.936

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 76.626, 289.228 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(18, 110, 241)` looks like.

```
.text, #text, p{  
    color:rgb(18, 110, 241)  
}
```

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(18, 110, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 110, 241) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 76.626, 289.228 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(18, 110, 241) }
```

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

```
.border{ border-color:rgb(18, 110, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 110, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 110, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 110, 241);  
box-shadow:4px 4px 4px 4px rgb(18, 110,  
241) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 76.626, 289.228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 110, 241) }
```

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

```
.background{ background-color: rgb(18, 110,  
241) }
```

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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