

Converting Colors

CIELCh(49, 61.768, 281.620)

Have a look what the booklet for
CIELCh(49, 61.768, 281.620)
contains.

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Color

CIELCh(49, 61.813, 281.836)

Conversions

Conversions Part 1

Format	Color
Hex	0074DC
RGB	0, 116, 220
RGB Percent	0%, 45%, 86%
CMY	1.0000, 0.5459, 0.1381
CMYK	1.00, 0.47, 0.00, 0.14
HSL	208°, 100%, 43%
HSV	208°, 100%, 86%
XYZ	19.0971, 17.5941, 69.9438
YIQ	93.1720, -102.5200, 7.7520

Conversions

Conversions Part 2

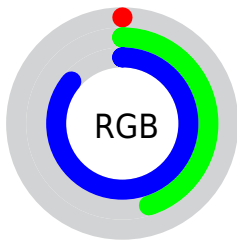
Format	Color
RYB	0, 76, 220
Decimal	29916
CIELab	49.00, 12.68, -60.50
CIELCh	49, 61.813, 281.836
Yxy	17.5941, 0.1791, 0.1650
Android (android.graphics.Color)	4278219996 (0xFF0074DC)
YUV	93.1720, 62.5262, -81.7118
Hunter-Lab	41.9453, 7.8645, -69.5044

Details

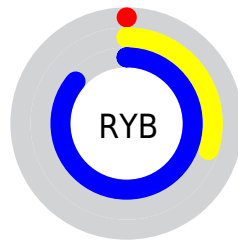
The CIELCh color **49, 61.813, 281.836** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **57, 77.304, 57.962**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 50.097, 276.031**, and **32, 59.917, 290.521** is the 20% darker color. If you saturate the color by 10%, you get **49, 61.805, 281.870**, and if you desaturate by 10%, it is **52, 55.826, 277.202**.

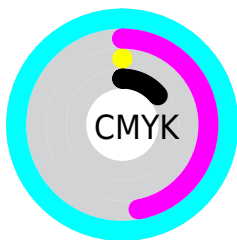
Distribution



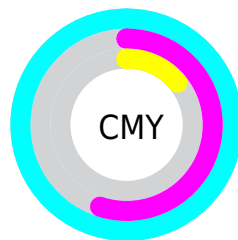
- Red (0%)
- Green (45%)
- Blue (86%)



- Red (0%)
- Yellow (30%)
- Blue (86%)



- Cyan (100%)
- Magenta (47%)
- Yellow (0%)
- Black (14%)




- Cyan (100%)
- Magenta (55%)
- Yellow (14%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 61.813, 281.836 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, 61.813, 281.836 by changing the saturation by 10% instead.


 49, 61.813,
281.836


 49, 61.813,
281.836


 100, 61.813,
281.836


 39, 61.813,
281.836

 69, 61.813,
281.836


 29, 61.813,
281.836


 79, 61.813,
281.836

 19, 61.813,
281.836

 89, 61.813,
281.836

 9, 61.813, 281.836

 99, 61.813,
281.836

 0, 61.813, 281.836

 49, 61.813,

 49, 61.813,

281.836

281.836

■ 49, 61.805,
281.870

■ 52, 55.826,
277.202

■ 56, 50.026,
272.667

■ 59, 44.265,
268.547

■ 63, 38.429,
264.937

■ 67, 32.444,
261.850

■ 71, 26.275,
259.251

■ 75, 19.922,
257.079

■ 79, 13.406,
255.272

Harmonies

Complementary

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



49, 61.813, 281.836



57, 77.304, 57.962

Rectangle

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



49, 61.813, 281.836



49, 61.813, 331.836



49, 61.813, 101.836



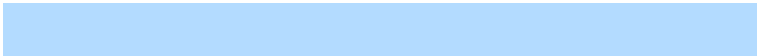
49, 61.813, 151.836

Sweetspot

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



49, 61.805, 281.870



86, 22.470, 257.129



77, 82.798, 147.251



44, 15.262, 258.008



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, 61.805, 281.870



56, 69.711, 282.290



28, 118.205, 305.964



44, 3.831, 253.707



39, 50.996, 281.060



8, 17.360, 270.904

Inverse Universe

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



48, 76.063, 359.966



55, 85.026, 0.341



83, 84.493, 100.686



43, 5.741, 342.954



37, 63.847, 359.262



6, 25.360, 352.599

Previews

White Background



This preview shows how the CIE LCh color 49, 61.813, 281.836 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, 61.813, 281.836 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

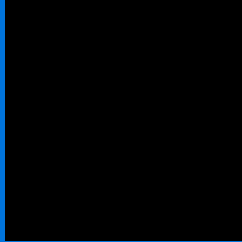
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

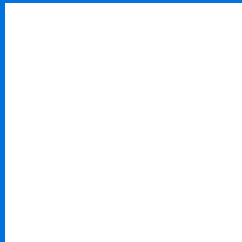
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 49, 61.813, 281.836

Background



This preview shows how black text looks on a background with the CIELCh color 49, 61.813, 281.836.



This preview shows how white text looks on a background with the CIELCh color 49, 61.813, 281.836.

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
49, 29.306, 205.943

Trichromacy



Original Color
49, 61.813, 281.836

Protanomaly
49, 61.535, 284.466

Deuteranomaly
49, 57.020, 278.963

Tritanomaly
49, 33.536, 247.393

Monochromacy



Original Color
49, 61.813, 281.836

Achromatopsia
39, 0.006, 296.813

Achromatomaly
41, 25.586, 263.749

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 61.813, 281.836 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(0, 116, 220)` looks like.

```
.text, #text, p{  
    color:rgb(0, 116, 220)  
}
```

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(0, 116, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 116, 220) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 61.813, 281.836 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(0, 116, 220) }
```

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

```
.border{ border-color:rgb(0, 116, 220) }
```

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

Here you see how a box with a 4 pixel rgb(0, 116, 220) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 116, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 116, 220);  
box-shadow:4px 4px 4px 4px rgb(0, 116,  
220) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 61.813, 281.836 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 116, 220) }
```

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

```
.background{ background-color: rgb(0, 116,  
220) }
```

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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