

Converting Colors

CIELCh(49, 61.286, 284.320)

Have a look what the booklet for
CIELCh(49, 61.286, 284.320)
contains.

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Color

CIELCh(49, 61.450, 284.415)

Conversions

Conversions Part 1

Format	Color
Hex	2972DA
RGB	41, 114, 218
RGB Percent	16%, 45%, 85%
CMY	0.8385, 0.5526, 0.1447
CMYK	0.81, 0.48, 0.00, 0.14
HSL	215°, 71%, 51%
HSV	215°, 81%, 86%
XYZ	19.6141, 17.5941, 68.7549
YIQ	104.0290, -76.8920, 16.8680

Conversions

Conversions Part 2

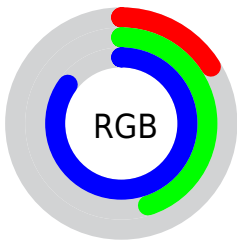
Format	Color
R_{YB}	41, 93, 218
Decimal	2716378
CIE _{Lab}	49.00, 15.30, -59.52
CIE _{LCh}	49, 61.450, 284.415
Yxy	17.5941, 0.1851, 0.1660
Android (android.graphics.Color)	4280906458 (0xFF2972DA)
YUV	104.0290, 56.1877, -55.2764
Hunter-Lab	41.9453, 10.0645, -67.8239

Details

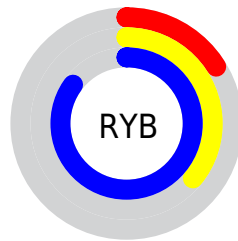
The CIELCh color **49, 61.450, 284.415** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **66, 64.859, 72.546**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 50.506, 279.977**, and **31, 60.097, 291.015** is the 20% darker color. If you saturate the color by 10%, you get **45, 69.533, 288.467**, and if you desaturate by 10%, it is **53, 53.574, 280.601**.

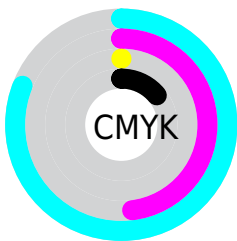
Distribution



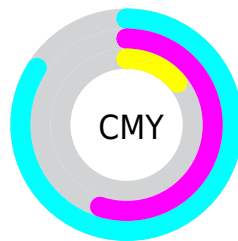
- Red (16%)
- Green (45%)
- Blue (85%)



- Red (16%)
- Yellow (36%)
- Blue (85%)



- Cyan (81%)
- Magenta (48%)
- Yellow (0%)
- Black (14%)



- Cyan (84%)
- Magenta (55%)
- Yellow (14%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 61.450, 284.415 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, 61.450, 284.415 by changing the saturation by 10% instead.


 49, 61.450,
284.415


 49, 61.450,
284.415


 100, 61.450,
284.415


 39, 61.450,
284.415

 69, 61.450,
284.415


 29, 61.450,
284.415

 79, 61.450,
284.415

 19, 61.450,
284.415

 89, 61.450,
284.415

 9, 61.450, 284.415

 99, 61.450,
284.415

 0, 61.450, 284.415

 49, 61.450,

 49, 61.450,

284.415

■ 45, 69.533,
288.467

■ 42, 76.874,
292.016

284.415

■ 53, 53.574,
280.601

■ 58, 45.865,
277.156

■ 62, 38.264,
274.134

■ 67, 30.721,
271.533

■ 72, 23.211,
269.317

■ 77, 15.723,
267.437

■ 82, 8.262, 265.850

■ 87, 0.837, 264.823

Harmonies

Complementary

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



49, 61.450, 284.415



66, 64.859, 72.546

Rectangle

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



49, 61.450, 284.415



49, 61.450, 334.415



49, 61.450, 104.415



49, 61.450, 154.415

Sweetspot

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



49, 61.450, 284.416



87, 20.296, 267.985



78, 64.211, 157.624



44, 13.953, 268.659



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, 61.450, 284.416



50, 84.491, 291.216



33, 104.616, 304.906



43, 4.236, 265.611



33, 63.722, 291.354



6, 20.583, 281.007

Inverse Universe

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



49, 69.809, 2.742



55, 84.127, 10.102



83, 80.465, 107.822



43, 5.328, 349.476



37, 63.373, 10.234



6, 24.366, 0.442

Previews

White Background



This preview shows how the CIE LCh color 49, 61.450, 284.415 looks on a white background.

Color Contrast Check

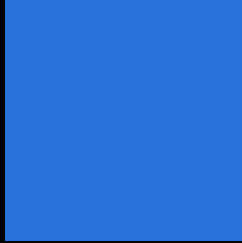
Large Text (above 18pt) WCAG AA ✓ Pass

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, 61.450, 284.415 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

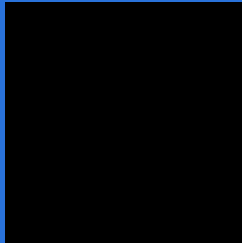
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

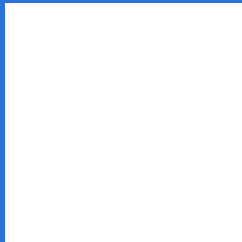
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 49, 61.450, 284.415

Background



This preview shows how black text looks on a background with the CIELCh color 49, 61.450, 284.415.



This preview shows how white text looks on a background with the CIELCh color 49, 61.450, 284.415.

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, 61.450, 284.415

Protanopia

49, 61.142, 287.200

Deuteranopia

49, 53.874, 276.693



Tritanopia
49, 29.306, 205.943

Trichromacy



Original Color
49, 61.450, 284.415

Protanomaly
49, 61.242, 286.043

Deuteranomaly
49, 56.368, 279.173

Tritanomaly
49, 32.756, 247.401

Monochromacy



Original Color
49, 61.450, 284.415

Achromatopsia
44, 0.006, 296.813

Achromatomaly
45, 23.358, 271.043

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 61.450, 284.415 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(41, 114, 218)` looks like.

```
.text, #text, p{  
    color:rgb(41, 114, 218)  
}
```

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(41, 114, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 114, 218) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 61.450, 284.415 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(41, 114, 218) }
```

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

```
.border{ border-color:rgb(41, 114, 218) }
```

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

Here you see how a box with a 4 pixel rgb(41, 114, 218) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 114, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 114, 218);  
box-shadow:4px 4px 4px 4px rgb(41, 114,  
218) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 61.450, 284.415 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 114, 218) }
```

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

```
.background{ background-color: rgb(41, 114,  
218) }
```

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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