

Converting Colors

CIELCh(48, 59.399, 281.073)

Have a look what the booklet for
CIELCh(48, 59.399, 281.073)
contains.

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Color

CIELCh(48, 59.225, 280.937)

Conversions

Conversions Part 1

Format	Color
Hex	0172D5
RGB	1, 114, 213
RGB Percent	0%, 45%, 84%
CMY	0.9958, 0.5536, 0.1655
CMYK	1.00, 0.47, 0.00, 0.17
HSL	208°, 99%, 42%
HSV	208°, 100%, 83%
XYZ	17.9938, 16.7945, 65.1065
YIQ	91.4990, -99.1270, 6.8330

Conversions

Conversions Part 2

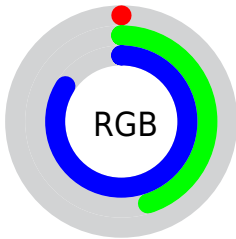
Format	Color
RYB	1, 75, 213
Decimal	94933
CIELab	48.00, 11.24, -58.15
CIELCh	48, 59.225, 280.937
Yxy	16.7945, 0.1801, 0.1681
Android (android.graphics.Color)	4278285013 (0xFF0172D5)
YUV	91.4990, 59.9000, -79.3676
Hunter-Lab	40.9810, 6.6582, -65.5071

Details

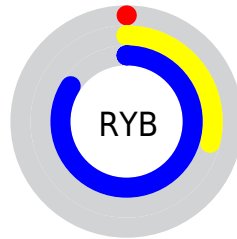
The CIELCh color **48, 59.225, 280.937** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **55, 75.349, 57.718**, and the grayscale version is **39, 0.005, 296.813**.

A 20% lighter version of the original color is **67, 51.178, 276.780**, and **31, 57.170, 289.904** is the 20% darker color. If you saturate the color by 10%, you get **48, 59.517, 281.160**, and if you desaturate by 10%, it is **51, 53.534, 276.247**.

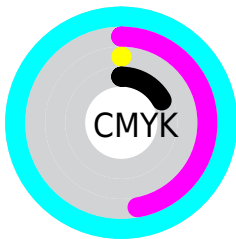
Distribution



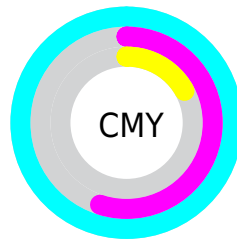
- Red (0%)
- Green (45%)
- Blue (84%)



- Red (0%)
- Yellow (29%)
- Blue (84%)



- Cyan (100%)
- Magenta (47%)
- Yellow (0%)
- Black (17%)





- Cyan (100%)
- Magenta (55%)
- Yellow (17%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 59.225, 280.937 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 48, 59.225, 280.937 by changing the saturation by 10% instead.


 48, 59.225,
280.937


 48, 59.225,
280.937


 100, 59.225,
280.937


 38, 59.225,
280.937

 68, 59.225,
280.937

 28, 59.225,
280.937

 78, 59.225,
280.937

 18, 59.225,
280.937

 88, 59.225,
280.937

 8, 59.225, 280.937

 98, 59.225,
280.937

 0, 59.225, 280.937

 48, 59.225,

 48, 59.225,

280.937

■ 48, 59.517,
281.160

280.937

■ 51, 53.534,
276.247

■ 54, 48.001,
271.723

■ 58, 42.485,
267.632

■ 61, 36.877,
264.059

■ 65, 31.108,
261.011

■ 69, 25.147,
258.448

■ 73, 18.998,
256.310

■ 77, 12.683,
254.532

Harmonies

Complementary

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



48, 59.225, 280.937



55, 75.349, 57.718

Rectangle

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



48, 59.225, 280.937



48, 59.225, 330.937



48, 59.225, 100.937



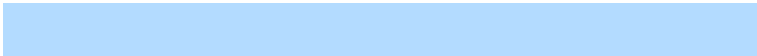
48, 59.225, 150.937

Sweetspot

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



48, 59.225, 280.939



86, 22.354, 256.468



75, 80.492, 147.406



44, 15.179, 257.344



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



48, 59.225, 280.939



57, 68.903, 281.684



27, 115.093, 305.915



43, 3.742, 253.061



39, 49.814, 280.386



7, 16.392, 269.522

Inverse Universe

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



46, 74.309, 359.163



55, 85.135, 359.803



81, 82.383, 100.707



42, 5.653, 342.657



37, 63.251, 358.693



5, 23.883, 352.045

Previews

White Background



This preview shows how the CIE LCh color 48, 59.225, 280.937 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 48, 59.225, 280.937 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

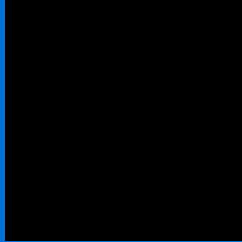
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 59.225, 280.937

Background



This preview shows how black text looks on a background with the CIELCh color 48, 59.225, 280.937.




This preview shows how white text looks on a background with the CIELCh color 48, 59.225, 280.937.

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
48, 28.802, 206.154

Trichromacy



Original Color
48, 59.233, 280.905

Protanomaly
48, 58.894, 283.812

Deuteranomaly
48, 55.510, 278.453

Tritanomaly
48, 32.704, 246.077

Monochromacy



Original Color
48, 59.233, 280.905

Achromatopsia
39, 0.005, 296.813

Achromatomaly
41, 24.546, 262.658

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 59.225, 280.937 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(1, 114, 213)` looks like.

```
.text, #text, p{  
    color:rgb(1, 114, 213)  
}
```

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(1, 114, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 114, 213) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 59.225, 280.937 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(1, 114, 213) }
```

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

```
.border{ border-color:rgb(1, 114, 213) }
```

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

Here you see how a box with a 4 pixel rgb(1, 114, 213) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 114, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 114, 213);  
box-shadow:4px 4px 4px 4px rgb(1, 114,  
213) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 59.225, 280.937 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 114, 213) }
```

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

```
.background{ background-color: rgb(1, 114,  
213) }
```

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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