

Converting Colors

CIELCh(49, 37.410, 255.932)

Have a look what the booklet for
CIELCh(49, 37.410, 255.932)
contains.

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Color

CIELCh(49, 37.148, 255.838)

Conversions

Conversions Part 1

Format	Color
Hex	007CB1
RGB	0, 124, 177
RGB Percent	0%, 49%, 69%
CMY	0.9997, 0.5137, 0.3058
CMYK	1.00, 0.30, 0.00, 0.31
HSL	198°, 100%, 35%
HSV	198°, 100%, 69%
XYZ	15.1474, 17.5941, 44.2007
YIQ	92.9660, -90.9170, -9.8050

Conversions

Conversions Part 2

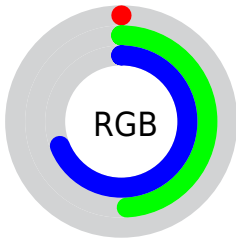
Format	Color
RYB	0, 73, 177
Decimal	31921
CIELab	49.00, -9.09, -36.02
CIELCh	49, 37.148, 255.838
Yxy	17.5941, 0.1969, 0.2287
Android (android.graphics.Color)	4278222001 (0xFF007CB1)
YUV	92.9660, 41.4288, -81.5312
Hunter-Lab	41.9453, -8.9438, -33.1164

Details

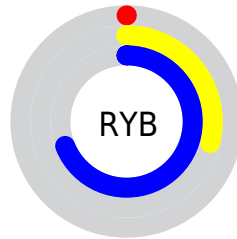
The CIELCh color **49, 37.148, 255.838** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **41, 71.799, 47.510**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 37.244, 256.355**, and **31, 33.321, 269.778** is the 20% darker color. If you saturate the color by 10%, you get **49, 37.157, 255.861**, and if you desaturate by 10%, it is **51, 35.096, 251.099**.

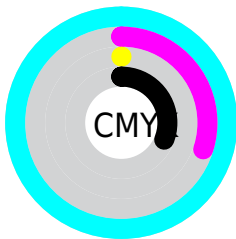
Distribution



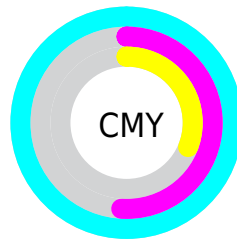
- Red (0%)
- Green (49%)
- Blue (69%)



- Red (0%)
- Yellow (29%)
- Blue (69%)



- Cyan (100%)
- Magenta (30%)
- Yellow (0%)
- Black (31%)



- Cyan (100%)
- Magenta (51%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 37.148, 255.838 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, 37.148, 255.838 by changing the saturation by 10% instead.


 49, 37.148,
255.838


 49, 37.148,
255.838


 100, 37.148,
255.838


 39, 37.148,
255.838

 69, 37.148,
255.838


 29, 37.148,
255.838

 79, 37.148,
255.838

 19, 37.148,
255.838

 89, 37.148,
255.838

 9, 37.148, 255.838

 99, 37.148,
255.838

 0, 37.148, 255.838

 49, 37.148,

 49, 37.148,

255.838

■ 49, 37.157,
255.861

255.838

■ 51, 35.096,
251.099

■ 53, 32.870,
246.814

■ 55, 30.263,
243.202

■ 57, 27.193,
240.236

■ 59, 23.638,
237.841

■ 62, 19.619,
235.930

■ 64, 15.182,
234.418

■ 67, 10.388,
233.232

Harmonies

Complementary

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



49, 37.148, 255.838



41, 71.799, 47.510

Rectangle

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



49, 37.148, 255.838



49, 37.148, 305.838



49, 37.148, 75.838



49, 37.148, 125.838

Sweetspot

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



49, 37.147, 255.839



81, 18.750, 234.494



63, 81.428, 140.723



42, 12.620, 235.080



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



49, 37.147, 255.839



63, 45.488, 256.810



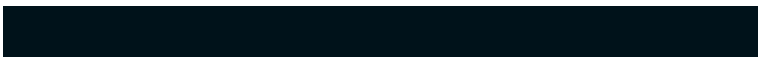
26, 87.076, 301.776



36, 3.041, 232.282



43, 33.195, 255.222



5, 7.593, 244.183

Inverse Universe

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



39, 70.253, 344.775



51, 85.039, 345.161



60, 64.528, 86.478



35, 5.472, 334.862



34, 63.235, 344.534



2, 12.209, 338.757

Previews

White Background



This preview shows how the CIE LCh color 49, 37.148, 255.838 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, 37.148, 255.838 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

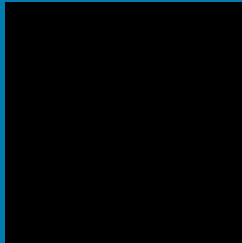
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 37.148, 255.838

Background



This preview shows how black text looks on a background with the CIELCh color 49, 37.148, 255.838.



This preview shows how white text looks on a background with the CIELCh color 49, 37.148, 255.838.

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



Trichromacy



Original Color
49, 37.148, 255.838

Protanomaly
48, 34.283, 268.000

Deuteranomaly
48, 37.384, 268.131

Monochromacy



Original Color
49, 37.148, 255.838

Achromatopsia
39, 0.006, 296.813

Achromatomaly
42, 18.535, 239.257

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 37.148, 255.838 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, 124, 177)` looks like.

```
.text, #text, p{  
    color:rgb(0, 124, 177)  
}
```

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, 124, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 124, 177) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 37.148, 255.838 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, 124, 177) }
```

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

```
.border{ border-color:rgb(0, 124, 177) }
```

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

Here you see how a box with a 4 pixel rgb(0, 124, 177) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 124, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 124, 177);  
box-shadow:4px 4px 4px 4px rgb(0, 124,  
177) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 37.148, 255.838 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 124, 177) }
```

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

```
.background{ background-color: rgb(0, 124,  
177) }
```

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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