

Converting Colors

CIELCh(41, 82.328, 216.637)

Have a look what the booklet for
CIELCh(41, 82.328, 216.637)
contains.

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Color

CIELCh(49, 37.482, 256.886)

Conversions

Conversions Part 1

Format	Color
Hex	037CB2
RGB	3, 124, 178
RGB Percent	1%, 49%, 70%
CMY	0.9866, 0.5145, 0.3025
CMYK	0.98, 0.30, 0.00, 0.30
HSL	199°, 96%, 36%
HSV	199°, 98%, 70%
XYZ	15.2456, 17.5941, 44.6369
YIQ	93.9770, -89.4500, -8.8580

Conversions

Conversions Part 2

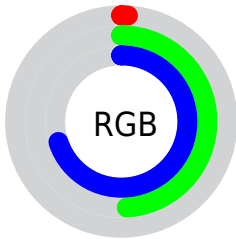
Format	Color
R_{YB}	3, 75, 178
Decimal	228530
CIE _{Lab}	49.00, -8.50, -36.50
CIE _{LCh}	49, 37.482, 256.886
Yxy	17.5941, 0.1968, 0.2271
Android (android.graphics.Color)	4278418610 (0xFF037CB2)
YUV	93.9770, 41.4233, -79.7868
Hunter-Lab	41.9453, -8.5259, -33.7329

Details

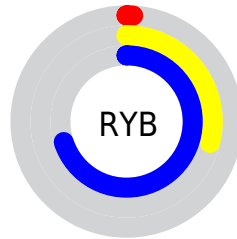
The CIELCh color **49, 37.482, 256.886** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **42, 70.408, 48.078**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 37.540, 257.243**, and **31, 33.848, 270.504** is the 20% darker color. If you saturate the color by 10%, you get **49, 37.919, 257.787**, and if you desaturate by 10%, it is **51, 35.273, 252.105**.

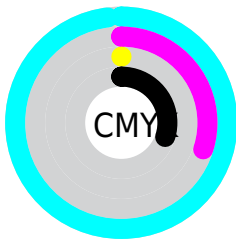
Distribution



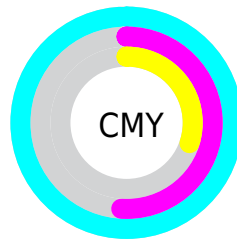
- Red (1%)
- Green (49%)
- Blue (70%)



- Red (1%)
- Yellow (29%)
- Blue (70%)



- Cyan (98%)
- Magenta (30%)
- Yellow (0%)
- Black (30%)




- Cyan (99%)
- Magenta (51%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 37.482, 256.886 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, 37.482, 256.886 by changing the saturation by 10% instead.


 49, 37.482,
256.886


 49, 37.482,
256.886

 100, 37.482,
256.886


 39, 37.482,
256.886

 69, 37.482,
256.886


 29, 37.482,
256.886

 79, 37.482,
256.886

 19, 37.482,
256.886

 89, 37.482,
256.886

 9, 37.482, 256.886

 99, 37.482,
256.886

 0, 37.482, 256.886

 49, 37.482,

 49, 37.482,

256.886

■ 49, 37.919,
257.787

256.886

■ 51, 35.273,
252.105

■ 53, 32.851,
247.868

■ 55, 30.052,
244.299

■ 57, 26.804,
241.366

■ 60, 23.091,
238.995

■ 62, 18.935,
237.098

■ 65, 14.385,
235.593

■ 67, 9.499, 234.408

Harmonies

Complementary

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



49, 37.482, 256.886



42, 70.408, 48.078

Rectangle

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



49, 37.482, 256.886



49, 37.482, 306.886



49, 37.482, 76.886



49, 37.482, 126.886

Sweetspot

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



49, 37.481, 256.887



82, 18.366, 235.785



63, 79.937, 141.535



43, 12.549, 236.399



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



49, 37.481, 256.887



63, 46.683, 258.758



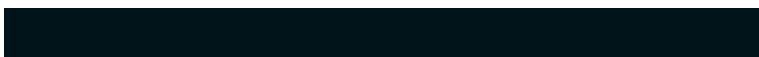
26, 87.535, 301.929



36, 3.040, 233.605



42, 33.735, 257.122



4, 7.629, 245.604

Inverse Universe

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



40, 69.900, 345.192



52, 85.182, 345.962



61, 64.824, 88.197



35, 5.432, 335.288



34, 62.827, 345.287



2, 12.105, 339.314

Previews

White Background



This preview shows how the CIE LCh color 49, 37.482, 256.886 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, 37.482, 256.886 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

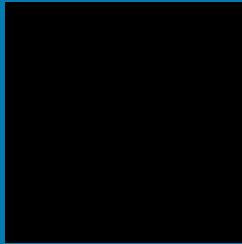
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 37.482, 256.886

Background



This preview shows how black text looks on a background with the CIELCh color 49, 37.482, 256.886.



This preview shows how white text looks on a background with the CIELCh color 49, 37.482, 256.886.

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, 29.191, 208.408

Trichromacy



Original Color
49, 37.477, 256.758

Protanomaly
48, 34.635, 269.214

Deuteranomaly
49, 37.815, 268.931

Tritanomaly
49, 29.698, 228.508

Monochromacy



Original Color
49, 37.477, 256.758

Achromatopsia
40, 0.006, 296.813

Achromatomaly
42, 18.034, 237.999

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 37.482, 256.886 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(3, 124, 178)` looks like.

```
.text, #text, p{  
    color:rgb(3, 124, 178)  
}
```

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(3, 124, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 124, 178) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 37.482, 256.886 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(3, 124, 178) }
```

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

```
.border{ border-color:rgb(3, 124, 178) }
```

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

Here you see how a box with a 4 pixel rgb(3, 124, 178) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 124, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 124, 178);  
box-shadow:4px 4px 4px 4px rgb(3, 124,  
178) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 37.482, 256.886 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 124, 178) }
```

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

```
.background{ background-color: rgb(3, 124,  
178) }
```

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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