

Converting Colors

CIELCh(48, 40.020, 251.594)

Have a look what the booklet for
CIELCh(48, 40.020, 251.594)
contains.

CIELCh(49, 37.886, 257.624)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(49, 37.886, 257.624)

Conversions

Conversions Part 1

Format	Color
Hex	037CB3
RGB	3, 124, 179
RGB Percent	1%, 49%, 70%
CMY	0.9887, 0.5150, 0.2991
CMYK	0.98, 0.31, 0.00, 0.30
HSL	199°, 97%, 36%
HSV	199°, 98%, 70%
XYZ	15.3104, 17.5941, 45.0901
YIQ	94.0910, -89.7710, -8.5470

Conversions

Conversions Part 2

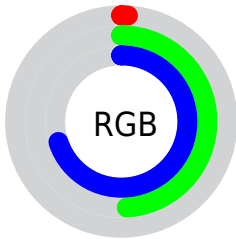
Format	Color
RYB	3, 75, 179
Decimal	228531
CIELab	49.00, -8.12, -37.01
CIELCh	49, 37.886, 257.624
Yxy	17.5941, 0.1963, 0.2256
Android (android.graphics.Color)	4278418611 (0xFF037CB3)
YUV	94.0910, 41.8601, -79.8868
Hunter-Lab	41.9453, -8.2502, -34.3735

Details

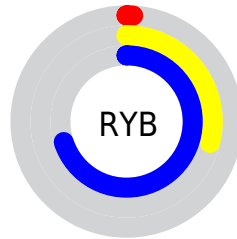
The CIELCh color **49, 37.886, 257.624** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **42, 70.756, 48.218**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 37.942, 257.865**, and **31, 34.379, 271.208** is the 20% darker color. If you saturate the color by 10%, you get **49, 38.263, 258.383**, and if you desaturate by 10%, it is **51, 35.621, 252.819**.

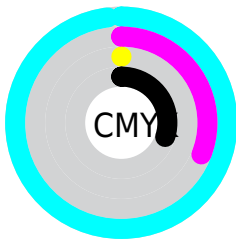
Distribution



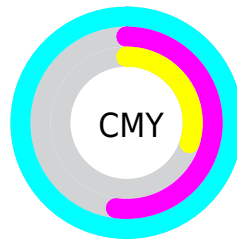
- Red (1%)
- Green (49%)
- Blue (70%)



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



- Cyan (98%)
- Magenta (31%)
- Yellow (0%)
- Black (30%)



- Cyan (99%)
- Magenta (52%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 37.886, 257.624 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, 37.886, 257.624 by changing the saturation by 10% instead.


 49, 37.886,
257.624


 49, 37.886,
257.624

 100, 37.886,
257.624


 39, 37.886,
257.624

 69, 37.886,
257.624


 29, 37.886,
257.624

 79, 37.886,
257.624

 19, 37.886,
257.624

 89, 37.886,
257.624

 9, 37.886, 257.624

 99, 37.886,
257.624

 0, 37.886, 257.624

 49, 37.886,

 49, 37.886,

257.624

■ 49, 38.263,
258.383

257.624

■ 51, 35.621,
252.819

■ 53, 33.159,
248.537

■ 55, 30.332,
244.923

■ 57, 27.062,
241.946

■ 60, 23.330,
239.537

■ 62, 19.158,
237.606

■ 65, 14.593,
236.071

■ 68, 9.692, 234.861

Harmonies

Complementary

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



49, 37.886, 257.624



42, 70.756, 48.218

Rectangle

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



49, 37.886, 257.624



49, 37.886, 307.624



49, 37.886, 77.624



49, 37.886, 127.624

Sweetspot

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



49, 37.885, 257.625



82, 18.955, 236.367



64, 80.382, 141.474



42, 12.879, 236.995



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, 37.885, 257.625



62, 46.939, 259.337



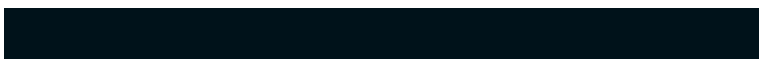
26, 88.133, 302.010



36, 3.040, 234.012



42, 33.908, 257.697



4, 7.641, 246.035

Inverse Universe

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



40, 70.033, 345.491



51, 85.014, 346.207



61, 65.121, 88.147



35, 5.420, 335.421



34, 62.704, 345.521



2, 12.074, 339.486

Previews

White Background



This preview shows how the CIELCh color 49, 37.886, 257.624 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, 37.886, 257.624 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

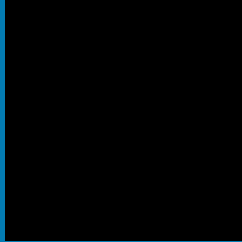
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 37.886, 257.624

Background



This preview shows how black text looks on a background with the CIELCh color 49, 37.886, 257.624.

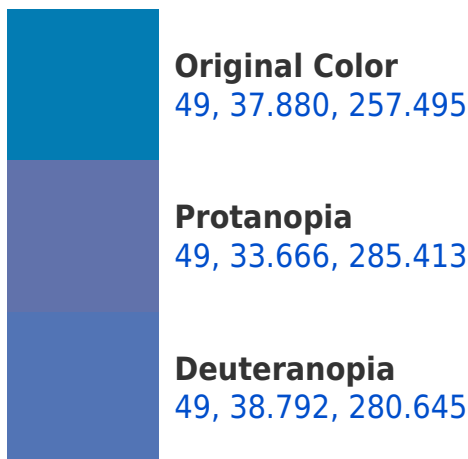


This preview shows how white text looks on a background with the CIELCh color 49, 37.886, 257.624.

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, 37.880, 257.495

Protanomaly
48, 35.206, 269.481

Deuteranomaly
49, 38.367, 269.252

Tritanomaly
49, 29.698, 228.508

Monochromacy



Original Color
49, 37.880, 257.495

Achromatopsia
40, 0.006, 296.813

Achromatomaly
42, 18.340, 239.724

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 37.886, 257.624 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, 179)` looks like.

```
.text, #text, p{  
    color:rgb(3, 124, 179)  
}
```

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, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 124, 179) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 37.886, 257.624 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, 179) }
```

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

```
.border{ border-color:rgb(3, 124, 179) }
```

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, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 124, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 124, 179);  
box-shadow:4px 4px 4px 4px rgb(3, 124,  
179) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 37.886, 257.624 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, 179) }
```

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

```
.background{ background-color: rgb(3, 124,  
179) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor