

Converting Colors

CIELCh(48, 41.648, 255.453)

Have a look what the booklet for
CIELCh(48, 41.648, 255.453)
contains.

CIELCh(49, 39.551, 260.428)	3
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Color

CIELCh(49, 39.551, 260.428)

Conversions

Conversions Part 1

Format	Color
Hex	017BB6
RGB	1, 123, 182
RGB Percent	0%, 48%, 71%
CMY	0.9972, 0.5170, 0.2856
CMYK	1.00, 0.32, 0.00, 0.29
HSL	200°, 99%, 36%
HSV	200°, 100%, 71%
XYZ	15.5724, 17.5941, 46.9244
YIQ	93.2480, -91.6510, -7.5150

Conversions

Conversions Part 2

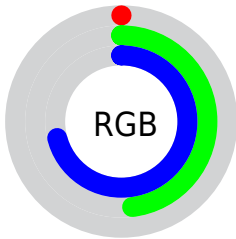
Format	Color
RYB	1, 74, 182
Decimal	97206
CIELab	49.00, -6.58, -39.00
CIELCh	49, 39.551, 260.428
Yxy	17.5941, 0.1944, 0.2197
Android (android.graphics.Color)	4278287286 (0xFF017BB6)
YUV	93.2480, 43.7547, -80.9015
Hunter-Lab	41.9453, -7.1352, -36.9664

Details

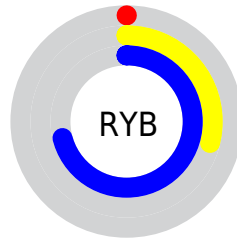
The CIELCh color **49, 39.551, 260.428** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **43, 72.156, 48.751**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 39.507, 260.557**, and **31, 35.993, 273.197** is the 20% darker color. If you saturate the color by 10%, you get **49, 39.653, 260.616**, and if you desaturate by 10%, it is **51, 37.055, 255.552**.

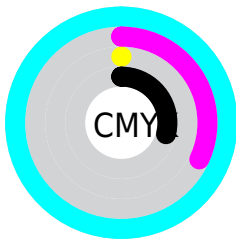
Distribution



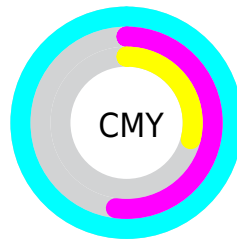
- Red (0%)
- Green (48%)
- Blue (71%)



- Red (0%)
- Yellow (29%)
- Blue (71%)



- Cyan (100%)
- Magenta (32%)
- Yellow (0%)
- Black (29%)



- Cyan (100%)
- Magenta (52%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 39.551, 260.428 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, 39.551, 260.428 by changing the saturation by 10% instead.

 49, 39.551,
260.428

 49, 39.551,
260.428

 100, 39.551,
260.428

 39, 39.551,
260.428

 69, 39.551,
260.428


 29, 39.551,
260.428

 79, 39.551,
260.428

 19, 39.551,
260.428

 89, 39.551,
260.428

 9, 39.551, 260.428

 99, 39.551,
260.428

 0, 39.551, 260.428

 49, 39.551,

 49, 39.551,

260.428

260.428

■ 49, 39.653,
260.616

■ 51, 37.055,
255.552

■ 53, 34.431,
251.111

■ 55, 31.481,
247.324

■ 58, 28.118,
244.183

■ 60, 24.309,
241.624

■ 63, 20.070,
239.562

■ 66, 15.442,
237.914

■ 68, 10.480,
236.605

Harmonies

Complementary

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



49, 39.551, 260.428



43, 72.156, 48.751

Rectangle

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



49, 39.551, 260.428



49, 39.551, 310.428



49, 39.551, 80.428



49, 39.551, 130.428

Sweetspot

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



49, 39.550, 260.429



83, 19.342, 238.047



65, 81.177, 141.757



43, 13.148, 238.709



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



49, 39.550, 260.429



63, 48.786, 261.565



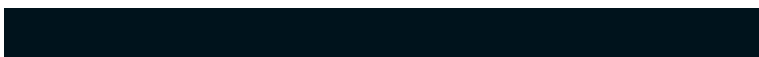
25, 92.124, 302.856



37, 3.113, 235.568



42, 35.047, 259.926



5, 8.806, 248.608

Inverse Universe

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



40, 70.586, 346.680



52, 85.765, 347.185



63, 66.825, 89.375



36, 5.500, 335.935



34, 62.987, 346.460



3, 13.773, 340.737

Previews

White Background



This preview shows how the CIE LCh color 49, 39.551, 260.428 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, 39.551, 260.428 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

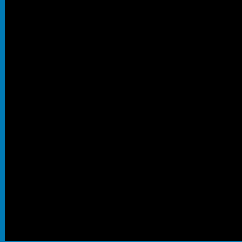
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 39.551, 260.428

Background



This preview shows how black text looks on a background with the CIELCh color 49, 39.551, 260.428.



This preview shows how white text looks on a background with the CIELCh color 49, 39.551, 260.428.

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, 39.531, 260.481

Protanomaly
48, 37.324, 271.485

Deuteranomaly
49, 40.018, 270.204

Monochromacy



Original Color
49, 39.531, 260.481

Achromatopsia
39, 0.006, 296.813

Achromatomaly
42, 18.850, 240.927

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 39.551, 260.428 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, 123, 182)` looks like.

```
.text, #text, p{  
    color:rgb(1, 123, 182)  
}
```

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, 123, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 123, 182) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 39.551, 260.428 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, 123, 182) }
```

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

```
.border{ border-color:rgb(1, 123, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 123, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 123, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 123, 182);  
box-shadow:4px 4px 4px 4px rgb(1, 123,  
182) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 39.551, 260.428 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 123, 182) }
```

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

```
.background{ background-color: rgb(1, 123,  
182) }
```

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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