

Converting Colors

CIELCh(49, 44.093, 266.883)

Have a look what the booklet for
CIELCh(49, 44.093, 266.883)
contains.

CIELCh(49, 43.988, 266.769)	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, 43.988, 266.769)

Conversions

Conversions Part 1

Format	Color
Hex	007ABF
RGB	0, 122, 191
RGB Percent	0%, 48%, 75%
CMY	1.0000, 0.5226, 0.2521
CMYK	1.00, 0.36, 0.00, 0.25
HSL	202°, 100%, 37%
HSV	202°, 100%, 75%
XYZ	16.2826, 17.5941, 51.6578
YIQ	93.3880, -94.8610, -4.4050

Conversions

Conversions Part 2

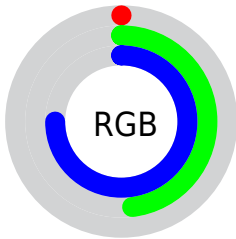
Format	Color
RYB	0, 74, 191
Decimal	31423
CIELab	49.00, -2.48, -43.92
CIELCh	49, 43.988, 266.769
Yxy	17.5941, 0.1904, 0.2057
Android (android.graphics.Color)	4278221503 (0xFF007ABF)
YUV	93.3880, 48.1227, -81.9013
Hunter-Lab	41.9453, -4.1129, -43.6570

Details

The CIELCh color **49, 43.988, 266.769** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **46, 73.524, 50.650**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 44.109, 266.897**, and **31, 41.013, 278.568** is the 20% darker color. If you saturate the color by 10%, you get **49, 43.969, 266.827**, and if you desaturate by 10%, it is **51, 40.743, 261.871**.

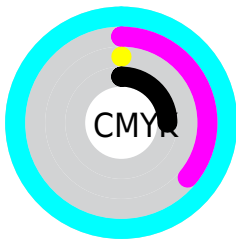
Distribution



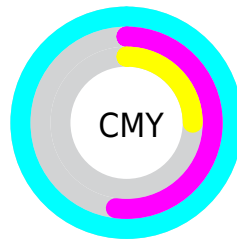
- Red (0%)
- Green (48%)
- Blue (75%)



- Red (0%)
- Yellow (29%)
- Blue (75%)



- Cyan (100%)
- Magenta (36%)
- Yellow (0%)
- Black (25%)



- Cyan (100%)
- Magenta (52%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 43.988, 266.769 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, 43.988, 266.769 by changing the saturation by 10% instead.

■ 49, 43.988,
266.769

■ 49, 43.988,
266.769

■ 100, 43.988,
266.769

■ 39, 43.988,
266.769

■ 69, 43.988,
266.769

■ 29, 43.988,
266.769

■ 79, 43.988,
266.769

■ 19, 43.988,
266.769

■ 89, 43.988,
266.769

■ 9, 43.988, 266.769

■ 99, 43.988,
266.769

■ 0, 43.988, 266.769

■ 49, 43.988,

■ 49, 43.988,

266.769

266.769

■ 49, 43.969,
266.827

■ 51, 40.743,
261.871

■ 54, 37.482,
257.255

■ 56, 33.990,
253.244

■ 59, 30.163,
249.864

■ 62, 25.955,
247.071

■ 65, 21.366,
244.792

■ 68, 16.427,
242.945

■ 71, 11.186,
241.456

Harmonies

Complementary

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



49, 43.988, 266.769



46, 73.524, 50.650

Rectangle

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



49, 43.988, 266.769



49, 43.988, 316.769



49, 43.988, 86.769



49, 43.988, 136.769

Sweetspot

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



49, 43.969, 266.827



86, 20.268, 243.025



68, 82.201, 142.732



44, 13.799, 243.773



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



49, 43.969, 266.827



63, 54.058, 267.721



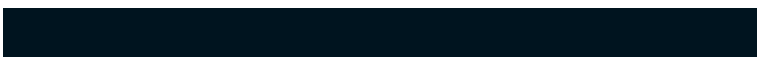
26, 98.916, 303.929



38, 3.203, 240.210



41, 37.903, 266.033



5, 10.111, 254.014

Inverse Universe

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



42, 71.532, 349.744



54, 86.708, 350.218



67, 70.423, 92.055



37, 5.482, 337.527



34, 62.430, 349.332



3, 15.294, 343.402

Previews

White Background



This preview shows how the CIE LCh color 49, 43.988, 266.769 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, 43.988, 266.769 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

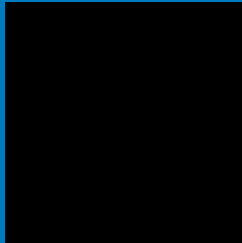
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 43.988, 266.769

Background



This preview shows how black text looks on a background with the CIELCh color 49, 43.988, 266.769.



This preview shows how white text looks on a background with the CIELCh color 49, 43.988, 266.769.

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, 29.242, 207.173

Trichromacy



Original Color
49, 43.988, 266.769

Protanomaly
48, 42.184, 274.753

Deuteranomaly
49, 44.855, 273.277

Tritanomaly
49, 30.510, 234.479

Monochromacy



Original Color
49, 43.988, 266.769

Achromatopsia
39, 0.006, 296.813

Achromatomaly
42, 20.467, 249.129

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 43.988, 266.769 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, 122, 191)` looks like.

```
.text, #text, p{  
    color:rgb(0, 122, 191)  
}
```

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, 122, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 122, 191) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 43.988, 266.769 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, 122, 191) }
```

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

```
.border{ border-color:rgb(0, 122, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 122, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 122, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 122, 191);  
box-shadow:4px 4px 4px 4px rgb(0, 122,  
191) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 43.988, 266.769 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 122, 191) }
```

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

```
.background{ background-color: rgb(0, 122,  
191) }
```

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