

Converting Colors

CIELCh(43, 61.976, 237.857)

Have a look what the booklet for
CIELCh(43, 61.976, 237.857)
contains.

CIELCh(48, 43.477, 266.777)	3
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Color

CIELCh(48, 43.477, 266.777)

Conversions

Conversions Part 1

Format	Color
Hex	0077BB
RGB	0, 119, 187
RGB Percent	0%, 47%, 73%
CMY	1.0000, 0.5327, 0.2664
CMYK	1.00, 0.36, 0.00, 0.27
HSL	202°, 100%, 37%
HSV	202°, 100%, 73%
XYZ	15.5420, 16.7945, 49.4699
YIQ	91.1710, -92.7520, -4.0800

Conversions

Conversions Part 2

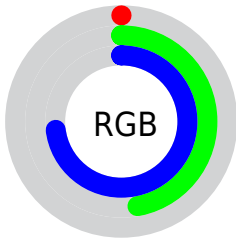
Format	Color
RYB	0, 73, 187
Decimal	30651
CIELab	48.00, -2.44, -43.41
CIELCh	48, 43.477, 266.777
Yxy	16.7945, 0.1900, 0.2053
Android (android.graphics.Color)	4278220731 (0xFF0077BB)
YUV	91.1710, 47.2437, -79.9570
Hunter-Lab	40.9810, -4.0207, -42.8847

Details

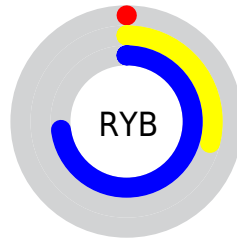
The CIELCh color **48, 43.477, 266.777** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **45, 72.385, 50.782**, and the grayscale version is **39, 0.005, 296.813**.

A 20% lighter version of the original color is **68, 43.574, 267.149**, and **30, 40.546, 279.136** is the 20% darker color. If you saturate the color by 10%, you get **48, 43.416, 266.967**, and if you desaturate by 10%, it is **50, 40.214, 262.029**.

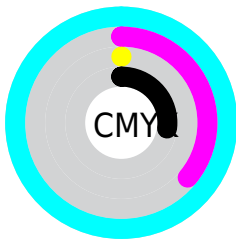
Distribution



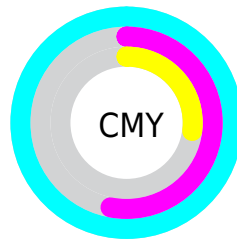
- Red (0%)
- Green (47%)
- Blue (73%)



- Red (0%)
- Yellow (29%)
- Blue (73%)



- Cyan (100%)
- Magenta (36%)
- Yellow (0%)
- Black (27%)



- Cyan (100%)
- Magenta (53%)
- Yellow (27%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 43.477, 266.777 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 48, 43.477, 266.777 by changing the saturation by 10% instead.

 48, 43.477,
266.777


 48, 43.477,
266.777

 100, 43.477,
266.777

 38, 43.477,
266.777

 68, 43.477,
266.777


 28, 43.477,
266.777

 78, 43.477,
266.777

 18, 43.477,
266.777

 88, 43.477,
266.777

 8, 43.477, 266.777

 98, 43.477,
266.777

 0, 43.477, 266.777

 48, 43.477,

 48, 43.477,

266.777

266.777

■ 48, 43.416,
266.967

■ 50, 40.214,
262.029

■ 53, 36.981,
257.422

■ 55, 33.523,
253.419

■ 58, 29.738,
250.043

■ 61, 25.581,
247.252

■ 63, 21.052,
244.972

■ 66, 16.182,
243.124

■ 70, 11.017,
241.632

Harmonies

Complementary

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



48, 43.477, 266.777



45, 72.385, 50.782

Rectangle

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



48, 43.477, 266.777



48, 43.477, 316.777



48, 43.477, 86.777



48, 43.477, 136.777

Sweetspot

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



48, 43.416, 266.967



84, 19.942, 243.205



66, 80.972, 142.763



43, 13.579, 243.948



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



48, 43.416, 266.967



61, 53.315, 267.872



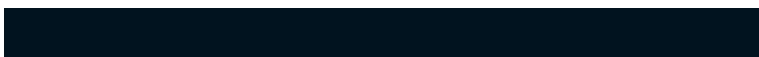
25, 97.410, 303.900



38, 3.204, 240.384



41, 38.002, 266.248



5, 10.123, 254.192

Inverse Universe

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



41, 70.478, 349.817



53, 85.309, 350.299



66, 69.426, 92.071



37, 5.476, 337.589



34, 62.385, 349.443



3, 15.278, 343.483

Previews

White Background



This preview shows how the CIE LCh color 48, 43.477, 266.777 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 CIELCh color 48, 43.477, 266.777 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 43.477, 266.777

Background



This preview shows how black text looks on a background with the CIELCh color 48, 43.477, 266.777.



This preview shows how white text looks on a background with the CIELCh color 48, 43.477, 266.777.

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
48, 28.740, 207.411

Trichromacy



Original Color
48, 43.455, 267.058

Protanomaly
47, 42.210, 275.575

Deuteranomaly
48, 44.401, 273.458

Tritanomaly
48, 30.045, 233.841

Monochromacy



Original Color
48, 43.455, 267.058

Achromatopsia
39, 0.005, 296.813

Achromatomaly
41, 19.931, 248.480

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 43.477, 266.777 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, 119, 187)` looks like.

```
.text, #text, p{  
    color:rgb(0, 119, 187)  
}
```

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, 119, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 119, 187) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 43.477, 266.777 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, 119, 187) }
```

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

```
.border{ border-color:rgb(0, 119, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 119, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 119, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 119, 187);  
box-shadow:4px 4px 4px 4px rgb(0, 119,  
187) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 43.477, 266.777 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 119, 187) }
```

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

```
.background{ background-color: rgb(0, 119,  
187) }
```

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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