

Converting Colors

CIELCh(44, 57.178, 246.494)

Have a look what the booklet for
CIELCh(44, 57.178, 246.494)
contains.

CIELCh(48, 45.358, 269.169)	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(48, 45.358, 269.169)

Conversions

Conversions Part 1

Format	Color
Hex	0076BE
RGB	0, 118, 190
RGB Percent	0%, 46%, 75%
CMY	1.0000, 0.5353, 0.2532
CMYK	1.00, 0.38, 0.00, 0.25
HSL	203°, 100%, 37%
HSV	203°, 100%, 75%
XYZ	15.8487, 16.7945, 51.3712
YIQ	90.9260, -93.4400, -2.6240

Conversions

Conversions Part 2

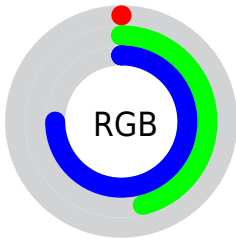
Format	Color
RYB	0, 73, 190
Decimal	30398
CIELab	48.00, -0.66, -45.35
CIELCh	48, 45.358, 269.169
Yxy	16.7945, 0.1886, 0.1999
Android (android.graphics.Color)	4278220478 (0xFF0076BE)
YUV	90.9260, 48.8435, -79.7421
Hunter-Lab	40.9810, -2.6851, -45.6354

Details

The CIELCh color **48, 45.358, 269.169** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **46, 72.791, 51.630**, and the grayscale version is **39, 0.005, 296.813**.

A 20% lighter version of the original color is **68, 45.314, 269.414**, and **30, 42.890, 281.322** is the 20% darker color. If you saturate the color by 10%, you get **48, 45.325, 269.279**, and if you desaturate by 10%, it is **50, 41.808, 264.342**.

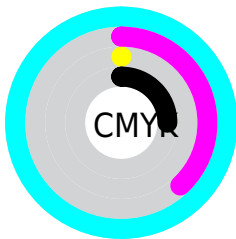
Distribution



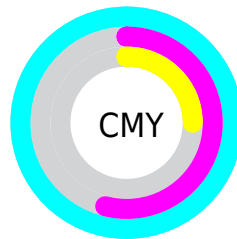
- Red (0%)
- Green (46%)
- Blue (75%)



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



- Cyan (100%)
- Magenta (38%)
- Yellow (0%)
- Black (25%)




- Cyan (100%)
- Magenta (54%)
- Yellow (25%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 45.358, 269.169 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, 45.358, 269.169 by changing the saturation by 10% instead.


 48, 45.358,
269.169


 48, 45.358,
269.169


 100, 45.358,
269.169


 38, 45.358,
269.169

 68, 45.358,
269.169


 28, 45.358,
269.169

 78, 45.358,
269.169

 18, 45.358,
269.169

 88, 45.358,
269.169

 8, 45.358, 269.169

 98, 45.358,
269.169

 0, 45.358, 269.169

 48, 45.358,

 48, 45.358,

269.169

269.169

■ 48, 45.325,
269.279

■ 50, 41.808,
264.342

■ 53, 38.293,
259.707

■ 55, 34.588,
255.652

■ 58, 30.588,
252.212

■ 61, 26.244,
249.354

■ 64, 21.552,
247.009

■ 67, 16.537,
245.097

■ 71, 11.241,
243.547

Harmonies

Complementary

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



48, 45.358, 269.169



46, 72.791, 51.630

Rectangle

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



48, 45.358, 269.169



48, 45.358, 319.169



48, 45.358, 89.169



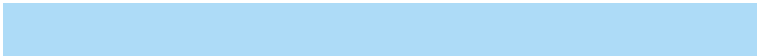
48, 45.358, 139.169

Sweetspot

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



48, 45.325, 269.279



85, 20.428, 245.180



68, 81.014, 143.331



44, 13.920, 245.956



99, 0.012, 296.813



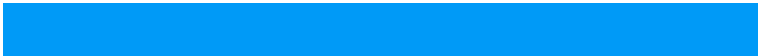
52, 0.007, 296.813

Same Dimension

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



48, 45.325, 269.279



61, 55.832, 270.170



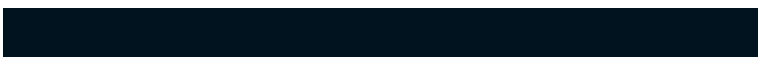
25, 100.161, 304.321



38, 3.218, 242.240



40, 39.088, 268.496



5, 10.254, 256.045

Inverse Universe

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



42, 70.872, 351.077



54, 86.004, 351.587



68, 71.027, 93.399



37, 5.420, 338.257



34, 61.915, 350.640



3, 15.108, 344.355

Previews

White Background



This preview shows how the CIE LCh color 48, 45.358, 269.169 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 48, 45.358, 269.169 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, 45.358, 269.169

Background



This preview shows how black text looks on a background with the CIELCh color 48, 45.358, 269.169.



This preview shows how white text looks on a background with the CIELCh color 48, 45.358, 269.169.

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, 45.347, 269.443

Protanomaly
47, 43.880, 276.389

Deuteranomaly
48, 46.042, 274.342

Tritanomaly
48, 30.351, 236.371

Monochromacy



Original Color
48, 45.347, 269.443

Achromatopsia
39, 0.005, 296.813

Achromatomaly
41, 20.323, 249.889

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 45.358, 269.169 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, 118, 190)` looks like.

```
.text, #text, p{  
    color:rgb(0, 118, 190)  
}
```

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, 118, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 118, 190) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 45.358, 269.169 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, 118, 190) }
```

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

```
.border{ border-color:rgb(0, 118, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 118, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 118, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 118, 190);  
box-shadow:4px 4px 4px 4px rgb(0, 118,  
190) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 45.358, 269.169 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 118, 190) }
```

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

```
.background{ background-color: rgb(0, 118,  
190) }
```

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