

Converting Colors

CIELCh(48, 29.897, 233.740)

Have a look what the booklet for
CIELCh(48, 29.897, 233.740)
contains.

CIELCh(48, 29.930, 234.013)	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, 29.930, 234.013)

Conversions

Conversions Part 1

Format	Color
Hex	037C9A
RGB	3, 124, 154
RGB Percent	1%, 49%, 60%
CMY	0.9869, 0.5134, 0.3957
CMYK	0.98, 0.19, 0.00, 0.40
HSL	192°, 96%, 31%
HSV	192°, 98%, 60%
XYZ	13.1002, 16.7945, 33.1623
YIQ	91.2410, -81.7460, -16.3220

Conversions

Conversions Part 2

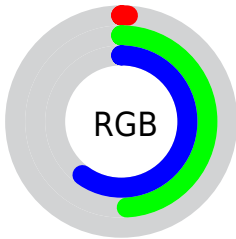
Format	Color
RYB	3, 70, 154
Decimal	228506
CIELab	48.00, -17.59, -24.22
CIELCh	48, 29.930, 234.013
Yxy	16.7945, 0.2078, 0.2663
Android (android.graphics.Color)	4278418586 (0xFF037C9A)
YUV	91.2410, 30.9402, -77.3874
Hunter-Lab	40.9810, -14.6569, -19.2913

Details

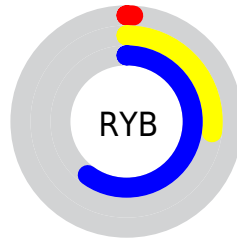
The CIELCh color **48, 29.930, 234.013** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **34, 66.326, 43.456**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 29.820, 233.058**, and **29, 23.708, 247.774** is the 20% darker color. If you saturate the color by 10%, you get **48, 30.110, 234.749**, and if you desaturate by 10%, it is **49, 29.076, 230.635**.

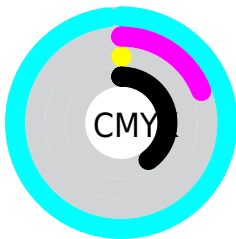
Distribution



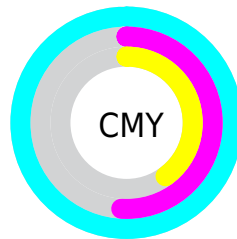
- Red (1%)
- Green (49%)
- Blue (60%)



- Red (1%)
- Yellow (27%)
- Blue (60%)



- Cyan (98%)
- Magenta (19%)
- Yellow (0%)
- Black (40%)



- Cyan (99%)
- Magenta (51%)
- Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 29.930, 234.013 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, 29.930, 234.013 by changing the saturation by 10% instead.


 48, 29.930,
234.013


 48, 29.930,
234.013


 100, 29.930,
234.013

 38, 29.930,
234.013

 68, 29.930,
234.013


 28, 29.930,
234.013

 78, 29.930,
234.013

 18, 29.930,
234.013

 88, 29.930,
234.013

 8, 29.930, 234.013

 98, 29.930,
234.013

 0, 29.930, 234.013

 48, 29.930,

 48, 29.930,

234.013

234.013

■ 48, 30.110,
234.749

■ 49, 29.076,
230.635

■ 50, 27.789,
227.792

■ 52, 25.936,
225.513

■ 53, 23.491,
223.725

■ 55, 20.474,
222.348

■ 56, 16.935,
221.308

■ 58, 12.937,
220.544

■ 60, 8.555, 220.005

Harmonies

Complementary

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



48, 29.930, 234.013



34, 66.326, 43.456

Rectangle

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



48, 29.930, 234.013



48, 29.930, 284.013



48, 29.930, 54.013



48, 29.930, 104.013

Sweetspot

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



48, 29.929, 234.013



74, 16.666, 220.660



55, 76.728, 138.712



38, 11.358, 220.952



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



48, 29.929, 234.013



62, 36.791, 235.606



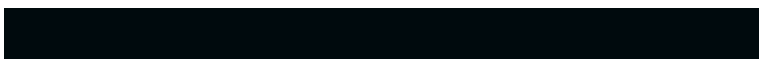
26, 66.332, 296.333



31, 2.758, 219.710



44, 28.091, 234.399



2, 3.028, 220.944

Inverse Universe

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



35, 67.860, 337.715



46, 82.850, 338.167



49, 56.116, 78.055



30, 5.173, 331.022



31, 63.679, 337.832



1, 5.504, 330.964

Previews

White Background



This preview shows how the CIELCh color 48, 29.930, 234.013 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, 29.930, 234.013 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

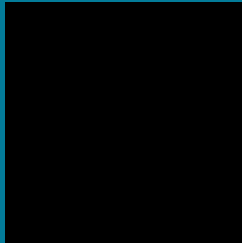
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 29.930, 234.013

Background



This preview shows how black text looks on a background with the CIELCh color 48, 29.930, 234.013.

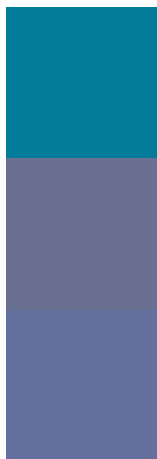


This preview shows how white text looks on a background with the CIELCh color 48, 29.930, 234.013.

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



Original Color
48, 29.930, 234.013

Protanopia
48, 19.567, 285.491

Deuteranopia
48, 26.695, 285.068



Tritanopia
48, 28.691, 208.673

Trichromacy



Original Color
48, 29.930, 234.013

Protanomaly
47, 23.371, 253.246

Deuteranomaly
47, 27.217, 259.809

Tritanomaly
48, 28.542, 219.027

Monochromacy



Original Color
48, 29.930, 234.013

Achromatopsia
39, 0.005, 296.813

Achromatomaly
41, 16.202, 222.376

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 29.930, 234.013 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, 154)` looks like.

```
.text, #text, p{  
    color:rgb(3, 124, 154)  
}
```

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, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 124, 154) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 29.930, 234.013 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, 154) }
```

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

```
.border{ border-color:rgb(3, 124, 154) }
```

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, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 124, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 124, 154);  
box-shadow:4px 4px 4px 4px rgb(3, 124,  
154) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 29.930, 234.013 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, 154) }
```

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

```
.background{ background-color: rgb(3, 124,  
154) }
```

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