

Converting Colors

CIELCh(48, 31.147, 240.120)

Have a look what the booklet for
CIELCh(48, 31.147, 240.120)
contains.

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Color

CIELCh(48, 31.244, 240.913)

Conversions

Conversions Part 1

Format	Color
Hex	047B9F
RGB	4, 123, 159
RGB Percent	2%, 48%, 62%
CMY	0.9831, 0.5163, 0.3751
CMYK	0.97, 0.23, 0.00, 0.38
HSL	194°, 95%, 32%
HSV	194°, 97%, 62%
XYZ	13.4684, 16.7945, 35.4964
YIQ	91.5230, -82.4800, -14.0320

Conversions

Conversions Part 2

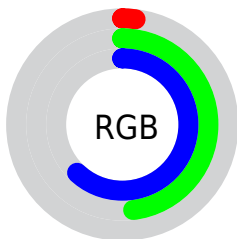
Format	Color
RYB	4, 71, 159
Decimal	293791
CIELab	48.00, -15.19, -27.30
CIELCh	48, 31.244, 240.913
Yxy	16.7945, 0.2048, 0.2554
Android (android.graphics.Color)	4278483871 (0xFF047B9F)
YUV	91.5230, 33.2662, -76.7577
Hunter-Lab	40.9810, -13.0527, -22.6682

Details

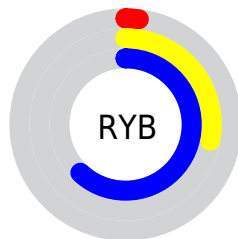
The CIELCh color **48, 31.244, 240.913** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **36, 66.703, 44.638**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 31.239, 240.471**, and **29, 25.580, 254.868** is the 20% darker color. If you saturate the color by 10%, you get **48, 31.552, 241.980**, and if you desaturate by 10%, it is **49, 30.095, 237.000**.

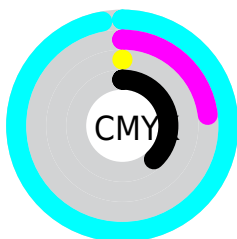
Distribution



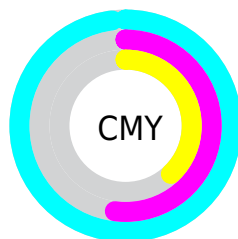
- Red (2%)
- Green (48%)
- Blue (62%)



- Red (2%)
- Yellow (28%)
- Blue (62%)



- Cyan (97%)
- Magenta (23%)
- Yellow (0%)
- Black (38%)





- Cyan (98%)
- Magenta (52%)
- Yellow (38%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 31.244, 240.913 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, 31.244, 240.913 by changing the saturation by 10% instead.


 48, 31.244,
240.913


 48, 31.244,
240.913


 100, 31.244,
240.913


 38, 31.244,
240.913

 68, 31.244,
240.913


 28, 31.244,
240.913

 78, 31.244,
240.913

 18, 31.244,
240.913

 88, 31.244,
240.913

 8, 31.244, 240.913

 98, 31.244,
240.913

 0, 31.244, 240.913

 48, 31.244,

 48, 31.244,

240.913

■ 48, 31.552,
241.980

240.913

■ 49, 30.095,
237.000

■ 51, 28.549,
233.685

■ 52, 26.479,
230.995

■ 54, 23.852,
228.857

■ 56, 20.680,
227.183

■ 58, 17.007,
225.892

■ 60, 12.897,
224.912

■ 62, 8.419, 224.188

Harmonies

Complementary

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



48, 31.244, 240.913



36, 66.703, 44.638

Rectangle

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



48, 31.244, 240.913



48, 31.244, 290.913



48, 31.244, 60.913



48, 31.244, 110.913

Sweetspot

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



48, 31.243, 240.913



75, 16.801, 225.109



57, 77.112, 139.508



39, 11.457, 225.495



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



48, 31.243, 240.913



61, 38.402, 242.899



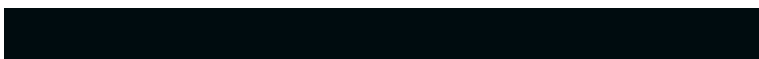
26, 71.264, 297.992



32, 2.792, 223.776



43, 29.064, 241.525



3, 3.690, 227.453

Inverse Universe

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



36, 67.848, 339.688



47, 82.357, 340.302



52, 57.783, 81.142



31, 5.192, 332.230



32, 62.980, 339.883



1, 6.584, 332.967

Previews

White Background



This preview shows how the CIE LCh color 48, 31.244, 240.913 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, 31.244, 240.913 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

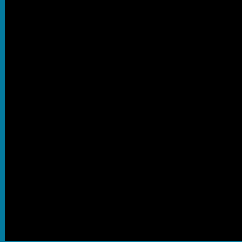
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 31.244, 240.913

Background



This preview shows how black text looks on a background with the CIELCh color 48, 31.244, 240.913.

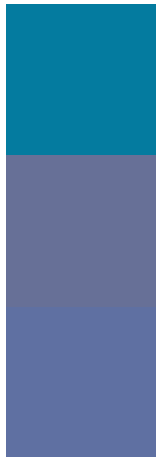


This preview shows how white text looks on a background with the CIELCh color 48, 31.244, 240.913.

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, 31.210, 240.974

Protanopia

48, 23.119, 285.527

Deuteranopia

48, 29.766, 283.500



Tritanopia
48, 28.691, 208.673

Trichromacy



Original Color
48, 31.210, 240.974

Protanomaly
47, 26.088, 258.876

Deuteranomaly
47, 29.824, 262.749

Tritanomaly
48, 28.561, 220.340

Monochromacy



Original Color
48, 31.210, 240.974

Achromatopsia
39, 0.006, 296.813

Achromatomaly
41, 16.308, 227.098

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 31.244, 240.913 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(4, 123, 159)` looks like.

```
.text, #text, p{  
    color:rgb(4, 123, 159)  
}
```

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(4, 123, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 123, 159) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 31.244, 240.913 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(4, 123, 159) }
```

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

```
.border{ border-color:rgb(4, 123, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 123, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 123, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 123, 159);  
box-shadow:4px 4px 4px 4px rgb(4, 123,  
159) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 31.244, 240.913 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 123, 159) }
```

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

```
.background{ background-color: rgb(4, 123,  
159) }
```

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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