

Converting Colors

CIELCh(48, 32.433, 228.953)

Have a look what the booklet for
CIELCh(48, 32.433, 228.953)
contains.

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Color

CIELCh(49, 29.929, 231.038)

Conversions

Conversions Part 1

Format	Color
Hex	047F9B
RGB	4, 127, 155
RGB Percent	2%, 50%, 61%
CMY	0.9846, 0.5017, 0.3917
CMYK	0.97, 0.18, 0.00, 0.39
HSL	191°, 95%, 31%
HSV	191°, 97%, 61%
XYZ	13.5741, 17.5941, 33.7408
YIQ	93.4150, -82.2960, -17.3680

Conversions

Conversions Part 2

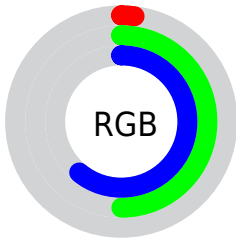
Format	Color
RYB	4, 72, 155
Decimal	294811
CIELab	49.00, -18.82, -23.27
CIELCh	49, 29.929, 231.038
Yxy	17.5941, 0.2091, 0.2711
Android (android.graphics.Color)	4278484891 (0xFF047F9B)
YUV	93.4150, 30.3614, -78.4170
Hunter-Lab	41.9453, -15.6391, -18.3312

Details

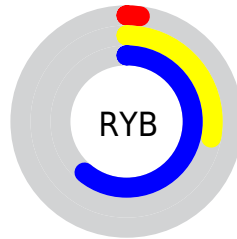
The CIELCh color **49, 29.929, 231.038** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **34, 66.819, 42.937**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 29.980, 231.405**, and **31, 23.351, 243.530** is the 20% darker color. If you saturate the color by 10%, you get **49, 30.115, 231.846**, and if you desaturate by 10%, it is **50, 29.153, 227.902**.

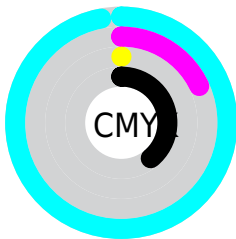
Distribution



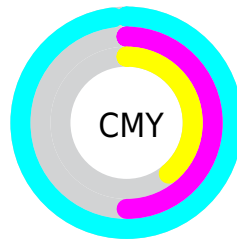
- Red (2%)
- Green (50%)
- Blue (61%)



- Red (2%)
- Yellow (28%)
- Blue (61%)



- Cyan (97%)
- Magenta (18%)
- Yellow (0%)
- Black (39%)



- Cyan (98%)
- Magenta (50%)
- Yellow (39%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 29.929, 231.038 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, 29.929, 231.038 by changing the saturation by 10% instead.


 49, 29.929,
231.038


 49, 29.929,
231.038


 100, 29.929,
231.038


 39, 29.929,
231.038

 69, 29.929,
231.038


 29, 29.929,
231.038

 79, 29.929,
231.038

 19, 29.929,
231.038

 89, 29.929,
231.038

 9, 29.929, 231.038

 99, 29.929,
231.038

 0, 29.929, 231.038

 49, 29.929,

 49, 29.929,

231.038

231.038

■ 49, 30.115,
231.846

■ 50, 29.153,
227.902

■ 51, 27.905,
225.290

■ 52, 26.064,
223.209

■ 54, 23.609,
221.588

■ 55, 20.566,
220.351

■ 57, 16.984,
219.430

■ 59, 12.934,
218.765

■ 61, 8.491, 218.313

Harmonies

Complementary

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



49, 29.929, 231.038



34, 66.819, 42.937

Rectangle

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



49, 29.929, 231.038



49, 29.929, 281.038



49, 29.929, 51.038



49, 29.929, 101.038

Sweetspot

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



49, 29.928, 231.038



74, 16.774, 218.886



56, 76.975, 138.751



39, 11.429, 219.142



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



49, 29.928, 231.038



62, 36.589, 232.624



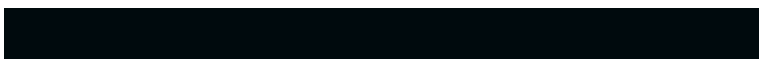
26, 66.418, 296.234



31, 2.778, 218.092



44, 27.967, 231.497



2, 3.049, 219.375

Inverse Universe

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



35, 68.821, 336.907



46, 83.698, 337.348



49, 56.284, 78.116



30, 5.223, 330.548



31, 64.316, 337.044



1, 5.557, 330.490

Previews

White Background



This preview shows how the CIELCh color 49, 29.929, 231.038 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 49, 29.929, 231.038 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

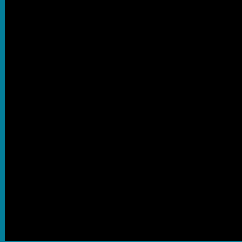
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 29.929, 231.038

Background



This preview shows how black text looks on a background with the CIELCh color 49, 29.929, 231.038.

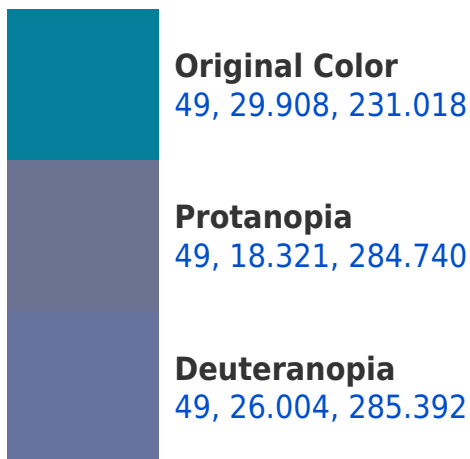


This preview shows how white text looks on a background with the CIELCh color 49, 29.929, 231.038.

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, 29.191, 208.408

Trichromacy



Original Color
49, 29.908, 231.018

Protanomaly
48, 22.692, 250.167

Deuteranomaly
48, 26.403, 257.259

Tritanomaly
49, 28.966, 217.293

Monochromacy



Original Color
49, 29.908, 231.018

Achromatopsia
39, 0.006, 296.813

Achromatomaly
42, 16.207, 222.293

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 29.929, 231.038 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, 127, 155)` looks like.

```
.text, #text, p{  
    color:rgb(4, 127, 155)  
}
```

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, 127, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 127, 155) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 29.929, 231.038 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, 127, 155) }
```

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

```
.border{ border-color:rgb(4, 127, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 127, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 127, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 127, 155);  
box-shadow:4px 4px 4px 4px rgb(4, 127,  
155) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 29.929, 231.038 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 127, 155) }
```

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

```
.background{ background-color: rgb(4, 127,  
155) }
```

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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