

Converting Colors

CIELCh(49, 30.142, 233.738)

Have a look what the booklet for
CIELCh(49, 30.142, 233.738)
contains.

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Color

CIELCh(49, 30.136, 233.540)

Conversions

Conversions Part 1

Format	Color
Hex	077F9D
RGB	7, 127, 157
RGB Percent	3%, 50%, 62%
CMY	0.9718, 0.5028, 0.3852
CMYK	0.95, 0.19, 0.00, 0.39
HSL	192°, 91%, 32%
HSV	192°, 95%, 61%
XYZ	13.7165, 17.5941, 34.4683
YIQ	94.5400, -81.1500, -16.1100

Conversions

Conversions Part 2

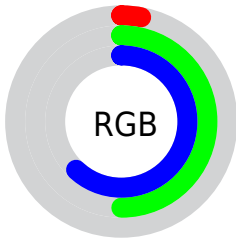
Format	Color
RYB	7, 74, 157
Decimal	491421
CIELab	49.00, -17.91, -24.24
CIElCh	49, 30.136, 233.540
Yxy	17.5941, 0.2085, 0.2675
Android (android.graphics.Color)	4278681501 (0xFF077F9D)
YUV	94.5400, 30.7928, -76.7726
Hunter-Lab	41.9453, -15.0331, -19.3595

Details

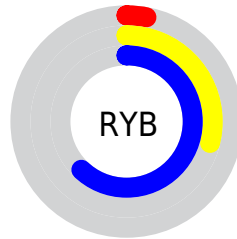
The CIELCh color **49, 30.136, 233.540** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **35, 65.608, 43.268**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 30.240, 233.671**, and **31, 24.014, 246.451** is the 20% darker color. If you saturate the color by 10%, you get **48, 30.518, 235.131**, and if you desaturate by 10%, it is **50, 29.199, 230.212**.

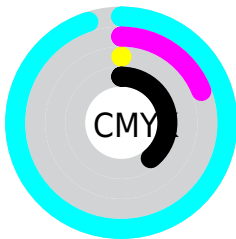
Distribution



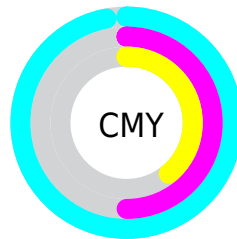
- Red (3%)
- Green (50%)
- Blue (62%)



- Red (3%)
- Yellow (29%)
- Blue (62%)



- Cyan (95%)
- Magenta (19%)
- Yellow (0%)
- Black (39%)





- Cyan (97%)
- Magenta (50%)
- Yellow (39%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 30.136, 233.540 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, 30.136, 233.540 by changing the saturation by 10% instead.


 49, 30.136,
233.540


 49, 30.136,
233.540


 100, 30.136,
233.540


 39, 30.136,
233.540

 69, 30.136,
233.540


 29, 30.136,
233.540

 79, 30.136,
233.540

 19, 30.136,
233.540

 89, 30.136,
233.540

 9, 30.136, 233.540

 99, 30.136,
233.540

 0, 30.136, 233.540

 49, 30.136,

 49, 30.136,

233.540

233.540

■ 48, 30.518,
235.131

■ 50, 29.199,
230.212

■ 51, 27.759,
227.479

■ 53, 25.736,
225.299

■ 54, 23.116,
223.595

■ 56, 19.925,
222.288

■ 58, 16.220,
221.306

■ 60, 12.068,
220.588

■ 61, 7.544, 220.090

Harmonies

Complementary

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



49, 30.136, 233.540



35, 65.608, 43.268

Rectangle

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



49, 30.136, 233.540



49, 30.136, 283.540



49, 30.136, 53.540



49, 30.136, 103.540

Sweetspot

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



49, 30.135, 233.540



75, 16.824, 220.857



56, 76.081, 139.404



38, 11.351, 221.152



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, 30.135, 233.540



62, 37.171, 235.968



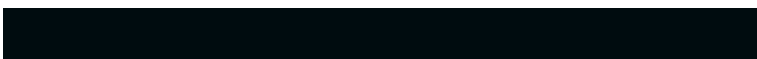
27, 67.172, 296.510



32, 2.831, 219.890



44, 28.484, 234.787



3, 3.732, 223.375

Inverse Universe

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



36, 68.359, 337.572



46, 83.531, 338.269



50, 56.356, 80.034



31, 5.311, 331.078



32, 64.435, 337.939



1, 6.746, 331.704

Previews

White Background



This preview shows how the CIE LCh color 49, 30.136, 233.540 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, 30.136, 233.540 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

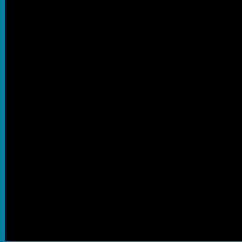
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 30.136, 233.540

Background



This preview shows how black text looks on a background with the CIELCh color 49, 30.136, 233.540.

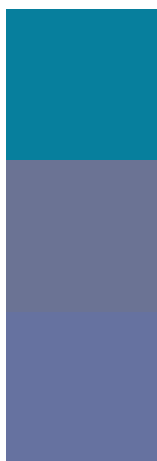


This preview shows how white text looks on a background with the CIELCh color 49, 30.136, 233.540.

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

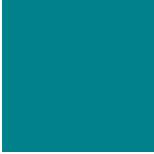
49, 30.173, 233.485

Protanopia

49, 19.516, 284.403

Deuteranopia

49, 27.190, 285.277



Tritanopia
49, 29.191, 208.408

Trichromacy



Original Color
49, 30.173, 233.485

Protanomaly
48, 23.341, 252.977

Deuteranomaly
48, 27.172, 259.499

Tritanomaly
49, 28.872, 217.370

Monochromacy



Original Color
49, 30.173, 233.485

Achromatopsia
40, 0.006, 296.813

Achromatomaly
42, 16.209, 222.252

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 30.136, 233.540 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(7, 127, 157)` looks like.

```
.text, #text, p{  
    color:rgb(7, 127, 157)  
}
```

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(7, 127, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(7, 127, 157) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 30.136, 233.540 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(7, 127, 157) }
```

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

```
.border{ border-color:rgb(7, 127, 157) }
```

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

Here you see how a box with a 4 pixel rgb(7, 127, 157) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(7, 127, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(7, 127, 157);  
box-shadow:4px 4px 4px 4px rgb(7, 127,  
157) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 30.136, 233.540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(7, 127, 157) }
```

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

```
.background{ background-color: rgb(7, 127,  
157) }
```

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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