

Converting Colors

CIELCh(49, 31.371, 237.212)

Have a look what the booklet for
CIELCh(49, 31.371, 237.212)
contains.

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Color

CIELCh(49, 31.073, 236.443)

Conversions

Conversions Part 1

Format	Color
Hex	007FA0
RGB	0, 127, 160
RGB Percent	0%, 50%, 63%
CMY	1.0000, 0.5035, 0.3741
CMYK	1.00, 0.21, 0.00, 0.37
HSL	192°, 100%, 31%
HSV	192°, 100%, 63%
XYZ	13.8318, 17.5941, 35.7405
YIQ	92.7890, -86.2850, -16.6610

Conversions

Conversions Part 2

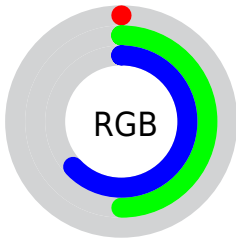
Format	Color
RYB	0, 71, 160
Decimal	32672
CIELab	49.00, -17.18, -25.89
CIELCh	49, 31.073, 236.443
Yxy	17.5941, 0.2059, 0.2619
Android (android.graphics.Color)	4278222752 (0xFF007FA0)
YUV	92.7890, 33.1350, -81.3760
Hunter-Lab	41.9453, -14.5426, -21.1577

Details

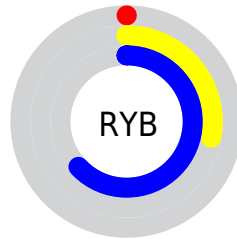
The CIELCh color **49, 31.073, 236.443** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **35, 69.402, 43.959**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 31.092, 236.399**, and **31, 24.729, 249.214** is the 20% darker color. If you saturate the color by 10%, you get **49, 31.022, 236.522**, and if you desaturate by 10%, it is **50, 30.134, 232.936**.

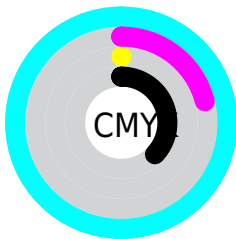
Distribution



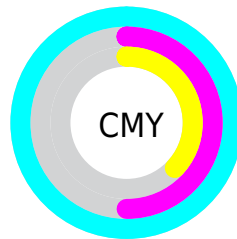
- Red (0%)
- Green (50%)
- Blue (63%)



- Red (0%)
- Yellow (28%)
- Blue (63%)



- Cyan (100%)
- Magenta (21%)
- Yellow (0%)
- Black (37%)



- Cyan (100%)
- Magenta (50%)
- Yellow (37%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 31.073, 236.443 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, 31.073, 236.443 by changing the saturation by 10% instead.


 49, 31.073,
236.443


 49, 31.073,
236.443


 100, 31.073,
236.443

 39, 31.073,
236.443

 69, 31.073,
236.443

 29, 31.073,
236.443

 79, 31.073,
236.443

 19, 31.073,
236.443

 89, 31.073,
236.443

 9, 31.073, 236.443

 99, 31.073,
236.443

 0, 31.073, 236.443

 49, 31.073,

 49, 31.073,

236.443

236.443

■ 49, 31.022,
236.522

■ 50, 30.134,
232.936

■ 51, 28.893,
229.820

■ 53, 27.098,
227.301

■ 54, 24.705,
225.309

■ 56, 21.724,
223.764

■ 58, 18.197,
222.586

■ 60, 14.189,
221.708

■ 62, 9.773, 221.073

Harmonies

Complementary

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



49, 31.073, 236.443



35, 69.402, 43.959

Rectangle

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



49, 31.073, 236.443



49, 31.073, 286.443



49, 31.073, 56.443



49, 31.073, 106.443

Sweetspot

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



49, 31.022, 236.522



75, 17.470, 221.750



57, 79.002, 138.754



39, 11.838, 222.073



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



49, 31.022, 236.522



62, 37.652, 237.353



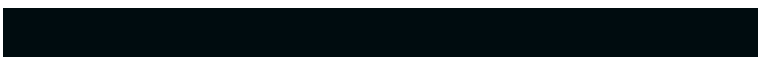
26, 71.690, 297.967



32, 2.823, 220.634



44, 28.567, 236.103



3, 3.722, 224.166

Inverse Universe

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



36, 69.488, 338.425



47, 83.916, 338.660



51, 58.388, 79.091



31, 5.288, 331.297



32, 64.146, 338.307



1, 6.714, 331.946

Previews

White Background



This preview shows how the CIELCh color 49, 31.073, 236.443 looks on a white background.

Color Contrast Check

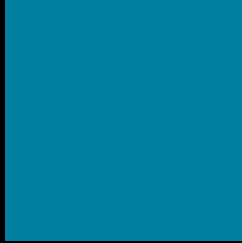
Large Text (above 18pt) WCAG AA ✓ Pass

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, 31.073, 236.443 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

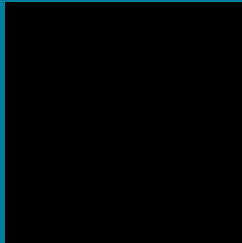
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 31.073, 236.443

Background



This preview shows how black text looks on a background with the CIELCh color 49, 31.073, 236.443.

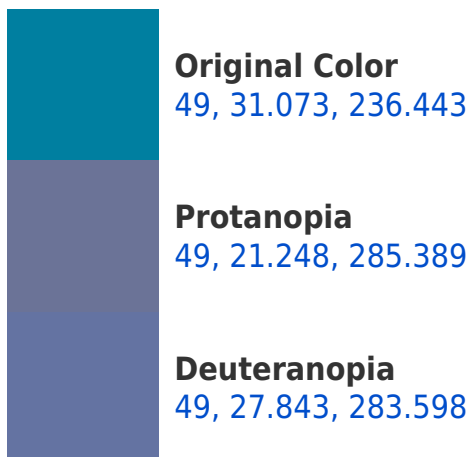


This preview shows how white text looks on a background with the CIELCh color 49, 31.073, 236.443.

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, 31.073, 236.443

Protanomaly
48, 24.997, 254.755

Deuteranomaly
48, 28.504, 259.614

Tritanomaly
49, 29.060, 218.501

Monochromacy



Original Color
49, 31.073, 236.443

Achromatopsia
39, 0.006, 296.813

Achromatomaly
42, 16.855, 223.556

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 31.073, 236.443 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, 127, 160)` looks like.

```
.text, #text, p{  
    color:rgb(0, 127, 160)  
}
```

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, 127, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 127, 160) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 31.073, 236.443 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, 127, 160) }
```

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

```
.border{ border-color:rgb(0, 127, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 127, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 127, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 127, 160);  
box-shadow:4px 4px 4px 4px rgb(0, 127,  
160) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 31.073, 236.443 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 127, 160) }
```

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

```
.background{ background-color: rgb(0, 127,  
160) }
```

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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