

Converting Colors

CIELCh(49, 31.289, 191.933)

Have a look what the booklet for
CIELCh(49, 31.289, 191.933)
contains.

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Color

CIELCh(49, 31.122, 191.903)

Conversions

Conversions Part 1

Format	Color
Hex	01827E
RGB	1, 130, 126
RGB Percent	0%, 51%, 49%
CMY	0.9952, 0.4886, 0.5044
CMYK	0.99, 0.00, 0.03, 0.49
HSL	178°, 98%, 26%
HSV	178°, 99%, 51%
XYZ	11.8409, 17.5941, 22.6409
YIQ	90.9730, -75.6000, -28.5920

Conversions

Conversions Part 2

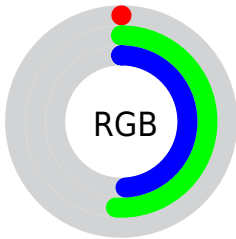
Format	Color
RYB	1, 67, 130
Decimal	98942
CIELab	49.00, -30.45, -6.42
CIELCh	49, 31.122, 191.903
Yxy	17.5941, 0.2274, 0.3379
Android (android.graphics.Color)	4278289022 (0xFF01827E)
YUV	90.9730, 17.2683, -78.9063
Hunter-Lab	41.9453, -23.0146, -2.6414

Details

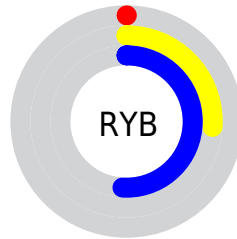
The CIELCh color **49, 31.122, 191.903** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **26, 60.902, 37.111**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 31.132, 191.846**, and **30, 22.212, 191.254** is the 20% darker color. If you saturate the color by 10%, you get **49, 31.197, 191.863**, and if you desaturate by 10%, it is **49, 30.299, 192.321**.

Distribution



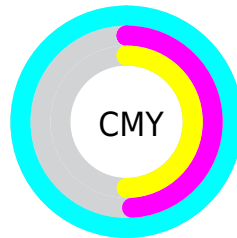
- Red (0%)
- Green (51%)
- Blue (49%)



- Red (0%)
- Yellow (26%)
- Blue (51%)



- Cyan (99%)
- Magenta (0%)
- Yellow (3%)
- Black (49%)





- Cyan (100%)
- Magenta (49%)
- Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 31.122, 191.903 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, 31.122, 191.903 by changing the saturation by 10% instead.


 49, 31.122,
191.903


 49, 31.122,
191.903


 100, 31.122,
191.903


 39, 31.122,
191.903

 69, 31.122,
191.903


 29, 31.122,
191.903

 79, 31.122,
191.903

 19, 31.122,
191.903

 89, 31.122,
191.903

 9, 31.122, 191.903

 99, 31.122,
191.903

 0, 31.122, 191.903

 49, 31.122,

 49, 31.122,

191.903

191.903

■ 49, 31.197,
191.863

■ 49, 30.299,
192.321

■ 49, 29.042,
192.745

■ 50, 27.180,
193.181

■ 50, 24.701,
193.635

■ 50, 21.628,
194.115

■ 51, 18.010,
194.623

■ 52, 13.912,
195.163

■ 53, 9.411, 195.736

Harmonies

Complementary

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



49, 31.122, 191.903



26, 60.902, 37.111

Rectangle

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



49, 31.122, 191.903



49, 31.122, 241.903



49, 31.122, 11.903



49, 31.122, 61.903

Sweetspot

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



49, 31.122, 191.902



66, 17.597, 195.073



47, 72.345, 135.865



34, 11.798, 194.882



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



49, 31.122, 191.902



62, 37.614, 191.764



29, 39.569, 278.716



28, 2.895, 196.358



49, 31.138, 191.864



1, 0.708, 196.839

Inverse Universe

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



26, 60.902, 37.111



35, 75.166, 38.595



34, 51.712, 59.223



26, 3.050, 17.362



26, 61.180, 37.279



0, 0.708, 16.822

Previews

White Background



This preview shows how the CIELCh color 49, 31.122, 191.903 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, 31.122, 191.903 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

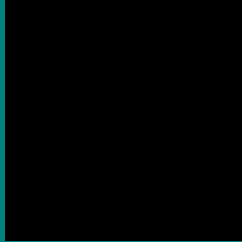
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 31.122, 191.903

Background



This preview shows how black text looks on a background with the CIELCh color 49, 31.122, 191.903.

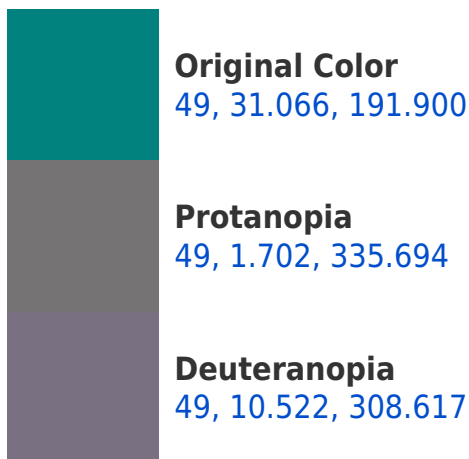


This preview shows how white text looks on a background with the CIELCh color 49, 31.122, 191.903.

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](#).

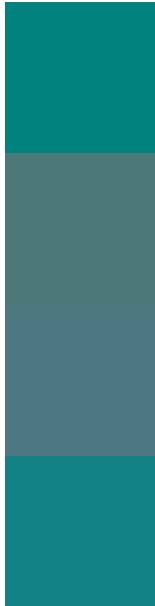
Dichromacy





Tritanopia
49, 27.194, 210.776

Trichromacy



Original Color
49, 31.066, 191.900

Protanomaly
48, 16.226, 195.570

Deuteranomaly
47, 15.524, 220.549

Tritanomaly
49, 28.522, 202.600

Monochromacy



Original Color
49, 31.066, 191.900

Achromatopsia
39, 0.005, 296.813

Achromatomaly
41, 16.875, 195.336

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 31.122, 191.903 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(1, 130, 126)` looks like.

```
.text, #text, p{  
    color:rgb(1, 130, 126)  
}
```

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(1, 130, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 130, 126) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 31.122, 191.903 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(1, 130, 126) }
```

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

```
.border{ border-color:rgb(1, 130, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 130, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 130, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 130, 126);  
box-shadow:4px 4px 4px 4px rgb(1, 130,  
126) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 31.122, 191.903 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 130, 126) }
```

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

```
.background{ background-color: rgb(1, 130,  
126) }
```

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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