

Converting Colors

CIELCh(49, 30.772, 215.346)

Have a look what the booklet for
CIELCh(49, 30.772, 215.346)
contains.

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Color

CIELCh(49, 29.171, 217.106)

Conversions

Conversions Part 1

Format	Color
Hex	008091
RGB	0, 128, 145
RGB Percent	0%, 50%, 57%
CMY	1.0000, 0.4964, 0.4297
CMYK	1.00, 0.12, 0.00, 0.43
HSL	187°, 100%, 29%
HSV	187°, 100%, 57%
XYZ	12.8932, 17.5941, 29.6732
YIQ	91.6660, -81.7450, -21.8490

Conversions

Conversions Part 2

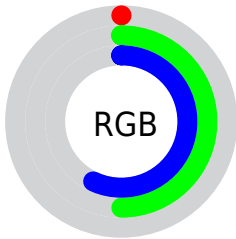
Format	Color
RYB	0, 68, 145
Decimal	32913
CIELab	49.00, -23.26, -17.60
CIELCh	49, 29.171, 217.106
Yxy	17.5941, 0.2143, 0.2925
Android (android.graphics.Color)	4278222993 (0xFF008091)
YUV	91.6660, 26.2937, -80.3911
Hunter-Lab	41.9453, -18.5366, -12.5816

Details

The CIELCh color **49, 29.171, 217.106** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **31, 66.408, 41.306**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 29.030, 217.541**, and **30, 21.141, 228.518** is the 20% darker color. If you saturate the color by 10%, you get **49, 29.080, 217.179**, and if you desaturate by 10%, it is **50, 28.596, 215.355**.

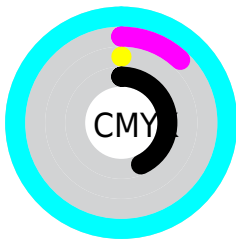
Distribution



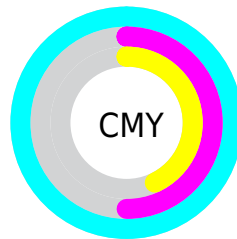
- Red (0%)
- Green (50%)
- Blue (57%)



- Red (0%)
- Yellow (27%)
- Blue (57%)



- Cyan (100%)
- Magenta (12%)
- Yellow (0%)
- Black (43%)



- Cyan (100%)
- Magenta (50%)
- Yellow (43%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 29.171, 217.106 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, 29.171, 217.106 by changing the saturation by 10% instead.


 49, 29.171,
217.106


 49, 29.171,
217.106


 100, 29.171,
217.106


 39, 29.171,
217.106

 69, 29.171,
217.106


 29, 29.171,
217.106

 79, 29.171,
217.106

 19, 29.171,
217.106

 89, 29.171,
217.106

 9, 29.171, 217.106

 99, 29.171,
217.106

 0, 29.171, 217.106

 49, 29.171,

 49, 29.171,

217.106

■ 49, 29.080,
217.179

217.106

■ 50, 28.596,
215.355

■ 50, 27.685,
213.803

■ 51, 26.148,
212.596

■ 52, 23.966,
211.692

■ 53, 21.161,
211.047

■ 55, 17.784,
210.618

■ 56, 13.903,
210.369

■ 57, 9.595, 210.271

Harmonies

Complementary

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



49, 29.171, 217.106



31, 66.408, 41.306

Rectangle

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



49, 29.171, 217.106



49, 29.171, 267.106



49, 29.171, 37.106



49, 29.171, 87.106

Sweetspot

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



49, 29.080, 217.179



71, 17.154, 210.380



52, 76.300, 137.357



36, 11.494, 210.457



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



49, 29.080, 217.179



63, 35.191, 217.667



26, 58.032, 292.773



31, 2.833, 210.329



47, 27.957, 217.063



2, 2.537, 210.340

Inverse Universe

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



33, 69.510, 333.395



44, 84.080, 333.515



43, 54.339, 71.613



29, 5.329, 328.284



31, 66.835, 333.366



1, 4.634, 327.786

Previews

White Background



This preview shows how the CIE LCh color 49, 29.171, 217.106 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, 29.171, 217.106 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

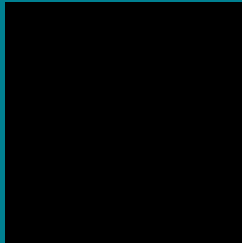
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 29.171, 217.106

Background



This preview shows how black text looks on a background with the CIELCh color 49, 29.171, 217.106.

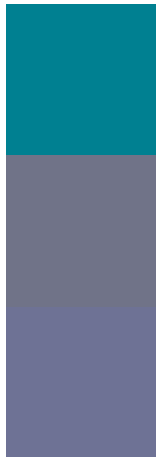


This preview shows how white text looks on a background with the CIELCh color 49, 29.171, 217.106.

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, 29.012, 217.255

Protanopia

49, 12.375, 286.614

Deuteranopia

49, 20.594, 288.915



Tritanopia
49, 29.191, 208.408

Trichromacy



Original Color
49, 29.012, 217.255

Protanomaly
48, 19.059, 234.407

Deuteranomaly
48, 22.307, 248.951

Tritanomaly
49, 29.124, 210.888

Monochromacy



Original Color
49, 29.012, 217.255

Achromatopsia
39, 0.006, 296.813

Achromatomaly
42, 16.271, 210.647

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 29.171, 217.106 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, 128, 145)` looks like.

```
.text, #text, p{  
    color:rgb(0, 128, 145)  
}
```

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, 128, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 128, 145) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 29.171, 217.106 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, 128, 145) }
```

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

```
.border{ border-color:rgb(0, 128, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 128, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 128, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 128, 145);  
box-shadow:4px 4px 4px 4px rgb(0, 128,  
145) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 29.171, 217.106 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 128, 145) }
```

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

```
.background{ background-color: rgb(0, 128,  
145) }
```

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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