

Converting Colors

CIELCh(49, 29.034, 213.402)

Have a look what the booklet for
CIELCh(49, 29.034, 213.402)
contains.

CIELCh(49, 29.106, 213.377)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(49, 29.106, 213.377)

Conversions

Conversions Part 1

Format	Color
Hex	00818F
RGB	0, 129, 143
RGB Percent	0%, 51%, 56%
CMY	1.0000, 0.4952, 0.4403
CMYK	1.00, 0.10, 0.00, 0.44
HSL	186°, 100%, 28%
HSV	186°, 100%, 56%
XYZ	12.7371, 17.5941, 28.5976
YIQ	92.0250, -81.3780, -22.9940

Conversions

Conversions Part 2

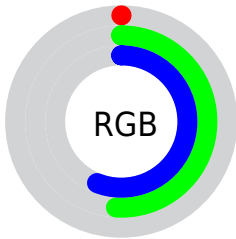
Format	Color
RYB	0, 68, 143
Decimal	33167
CIELab	49.00, -24.31, -16.01
CIELCh	49, 29.106, 213.377
Yxy	17.5941, 0.2161, 0.2986
Android (android.graphics.Color)	4278223247 (0xFF00818F)
YUV	92.0250, 25.1307, -80.7059
Hunter-Lab	41.9453, -19.2009, -11.0612

Details

The CIELCh color **49, 29.106, 213.377** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **30, 65.704, 40.840**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 29.064, 213.981**, and **30, 20.895, 222.670** is the 20% darker color. If you saturate the color by 10%, you get **49, 29.060, 213.407**, and if you desaturate by 10%, it is **50, 28.583, 211.948**.

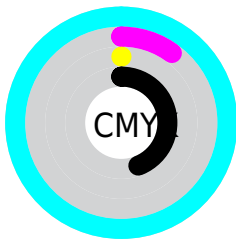
Distribution



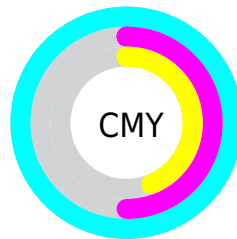
- Red (0%)
- Green (51%)
- Blue (56%)



- Red (0%)
- Yellow (27%)
- Blue (56%)



- Cyan (100%)
- Magenta (10%)
- Yellow (0%)
- Black (44%)




- Cyan (100%)
- Magenta (50%)
- Yellow (44%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 29.106, 213.377 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, 29.106, 213.377 by changing the saturation by 10% instead.


 49, 29.106,
213.377


 49, 29.106,
213.377


 100, 29.106,
213.377


 39, 29.106,
213.377

 69, 29.106,
213.377


 29, 29.106,
213.377

 79, 29.106,
213.377

 19, 29.106,
213.377

 89, 29.106,
213.377

 9, 29.106, 213.377

 99, 29.106,
213.377

 0, 29.106, 213.377

 49, 29.106,

 49, 29.106,

213.377

213.377

■ 49, 29.060,
213.407

■ 50, 28.583,
211.948

■ 50, 27.678,
210.711

■ 51, 26.144,
209.764

■ 52, 23.965,
209.072

■ 53, 21.162,
208.600

■ 54, 17.786,
208.315

■ 55, 13.906,
208.186

■ 56, 9.597, 208.190

Harmonies

Complementary

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



49, 29.106, 213.377



30, 65.704, 40.840

Rectangle

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



49, 29.106, 213.377



49, 29.106, 263.377



49, 29.106, 33.377



49, 29.106, 83.377

Sweetspot

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



49, 29.060, 213.407



70, 17.230, 208.190



51, 76.035, 136.933



37, 11.671, 208.225



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, 29.060, 213.407



63, 35.284, 213.817



27, 53.844, 290.314



29, 2.795, 208.344



47, 27.943, 213.311



2, 1.933, 208.427

Inverse Universe

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



33, 69.568, 332.468



43, 84.469, 332.569



41, 53.822, 68.639



28, 5.244, 327.701



31, 66.894, 332.445



1, 3.521, 327.211

Previews

White Background



This preview shows how the CIE LCh color 49, 29.106, 213.377 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, 29.106, 213.377 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

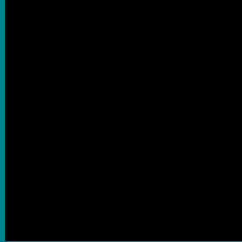
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 29.106, 213.377

Background



This preview shows how black text looks on a background with the CIELCh color 49, 29.106, 213.377.



This preview shows how white text looks on a background with the CIELCh color 49, 29.106, 213.377.

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, 29.106, 213.377

Protanopia

49, 11.184, 287.787

Deuteranopia

49, 18.818, 290.435



Tritanopia
49, 29.151, 209.647

Trichromacy



Original Color
49, 29.106, 213.377

Protanomaly
48, 18.346, 231.461

Deuteranomaly
48, 21.040, 245.575

Tritanomaly
49, 29.124, 210.888

Monochromacy



Original Color
49, 29.106, 213.377

Achromatopsia
39, 0.006, 296.813

Achromatomaly
41, 16.250, 208.436

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 29.106, 213.377 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, 129, 143)` looks like.

```
.text, #text, p{  
    color:rgb(0, 129, 143)  
}
```

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, 129, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 129, 143) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 29.106, 213.377 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, 129, 143) }
```

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

```
.border{ border-color:rgb(0, 129, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 129, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 129, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 129, 143);  
box-shadow:4px 4px 4px 4px rgb(0, 129,  
143) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 29.106, 213.377 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 129, 143) }
```

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

```
.background{ background-color: rgb(0, 129,  
143) }
```

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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