

Converting Colors

CIELCh(49, 31.994, 217.016)

Have a look what the booklet for
CIELCh(49, 31.994, 217.016)
contains.

CIELCh(49, 29.275, 219.579)	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, 29.275, 219.579)

Conversions

Conversions Part 1

Format	Color
Hex	008093
RGB	0, 128, 147
RGB Percent	0%, 50%, 58%
CMY	1.0000, 0.4971, 0.4227
CMYK	1.00, 0.13, 0.00, 0.42
HSL	188°, 100%, 29%
HSV	188°, 100%, 58%
XYZ	12.9990, 17.5941, 30.4025
YIQ	91.8940, -82.3870, -21.2270

Conversions

Conversions Part 2

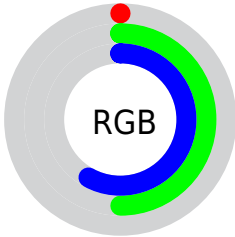
Format	Color
RYB	0, 68, 147
Decimal	32915
CIELab	49.00, -22.56, -18.65
CIELCh	49, 29.275, 219.579
Yxy	17.5941, 0.2131, 0.2884
Android (android.graphics.Color)	4278222995 (0xFF008093)
YUV	91.8940, 27.1673, -80.5910
Hunter-Lab	41.9453, -18.0863, -13.6125

Details

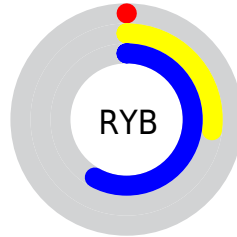
The CIELCh color **49, 29.275, 219.579** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **31, 66.854, 41.624**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 29.018, 219.948**, and **30, 21.317, 230.322** is the 20% darker color. If you saturate the color by 10%, you get **49, 29.155, 219.686**, and if you desaturate by 10%, it is **50, 28.654, 217.620**.

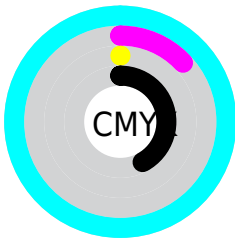
Distribution



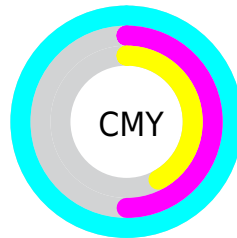
- Red (0%)
- Green (50%)
- Blue (58%)



- Red (0%)
- Yellow (27%)
- Blue (58%)



- Cyan (100%)
- Magenta (13%)
- Yellow (0%)
- Black (42%)





- Cyan (100%)
- Magenta (50%)
- Yellow (42%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 29.275, 219.579 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, 29.275, 219.579 by changing the saturation by 10% instead.


 49, 29.275,
219.579


 49, 29.275,
219.579


 100, 29.275,
219.579


 39, 29.275,
219.579

 69, 29.275,
219.579


 29, 29.275,
219.579

 79, 29.275,
219.579

 19, 29.275,
219.579

 89, 29.275,
219.579

 9, 29.275, 219.579

 99, 29.275,
219.579

 0, 29.275, 219.579

 49, 29.275,

 49, 29.275,

219.579

■ 49, 29.155,
219.686

219.579

■ 50, 28.654,
217.620

■ 51, 27.729,
215.857

■ 51, 26.182,
214.478

■ 53, 23.992,
213.432

■ 54, 21.180,
212.671

■ 55, 17.797,
212.145

■ 56, 13.911,
211.816

■ 58, 9.600, 211.650

Harmonies

Complementary

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



49, 29.275, 219.579



31, 66.854, 41.624

Rectangle

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



49, 29.275, 219.579



49, 29.275, 269.579



49, 29.275, 39.579



49, 29.275, 89.579

Sweetspot

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



49, 29.155, 219.686



72, 17.181, 211.831



53, 77.013, 137.343



37, 11.637, 211.941



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



49, 29.155, 219.686



63, 35.327, 220.232



27, 58.622, 292.818



30, 2.806, 211.645



46, 27.780, 219.527



2, 2.513, 211.607

Inverse Universe

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



34, 69.482, 334.015



44, 84.119, 334.150



44, 54.830, 71.575



29, 5.284, 328.667



31, 66.222, 333.975



1, 4.594, 328.165

Previews

White Background



This preview shows how the CIE LCh color 49, 29.275, 219.579 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, 29.275, 219.579 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

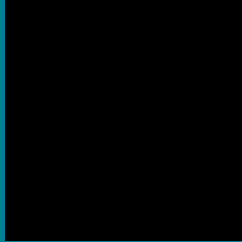
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 29.275, 219.579

Background



This preview shows how black text looks on a background with the CIELCh color 49, 29.275, 219.579.



This preview shows how white text looks on a background with the CIELCh color 49, 29.275, 219.579.

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, 29.120, 219.744

Protanopia

49, 13.571, 285.703

Deuteranopia

49, 21.196, 288.177



Tritanopia
49, 29.191, 208.408

Trichromacy



Original Color
49, 29.120, 219.744

Protanomaly
48, 19.608, 237.650

Deuteranomaly
48, 22.844, 249.675

Tritanomaly
49, 29.109, 212.132

Monochromacy



Original Color
49, 29.120, 219.744

Achromatopsia
39, 0.006, 296.813

Achromatomaly
42, 16.314, 212.850

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 29.275, 219.579 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, 147)` looks like.

```
.text, #text, p{  
    color:rgb(0, 128, 147)  
}
```

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, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 128, 147) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 29.275, 219.579 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, 147) }
```

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

```
.border{ border-color:rgb(0, 128, 147) }
```

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, 147) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 128, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 128, 147);  
box-shadow:4px 4px 4px 4px rgb(0, 128,  
147) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 29.275, 219.579 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, 147) }
```

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

```
.background{ background-color: rgb(0, 128,  
147) }
```

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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