

Converting Colors

CIELCh(43, 85.163, 201.465)

Have a look what the booklet for
CIELCh(43, 85.163, 201.465)
contains.

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Color

CIELCh(49, 29.630, 224.455)

Conversions

Conversions Part 1

Format	Color
Hex	008097
RGB	0, 128, 151
RGB Percent	0%, 50%, 59%
CMY	1.0000, 0.4987, 0.4086
CMYK	1.00, 0.15, 0.00, 0.41
HSL	189°, 100%, 30%
HSV	189°, 100%, 59%
XYZ	13.2142, 17.5941, 31.8907
YIQ	92.3500, -83.6710, -19.9830

Conversions

Conversions Part 2

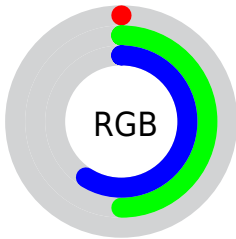
Format	Color
RYB	0, 69, 151
Decimal	32919
CIELab	49.00, -21.15, -20.75
CIELCh	49, 29.630, 224.455
Yxy	17.5941, 0.2108, 0.2806
Android (android.graphics.Color)	4278222999 (0xFF008097)
YUV	92.3500, 28.9145, -80.9909
Hunter-Lab	41.9453, -17.1706, -15.7160

Details

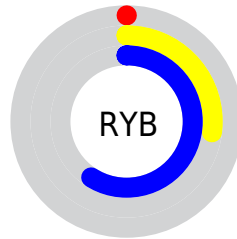
The CIELCh color **49, 29.630, 224.455** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **32, 67.687, 42.274**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 29.489, 224.373**, and **31, 22.090, 235.163** is the 20% darker color. If you saturate the color by 10%, you get **49, 29.454, 224.646**, and if you desaturate by 10%, it is **50, 28.889, 222.106**.

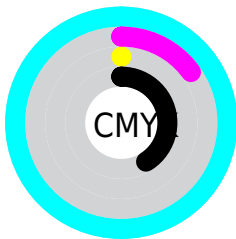
Distribution



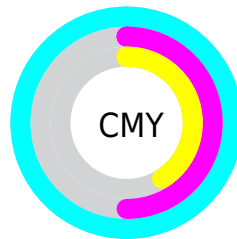
- Red (0%)
- Green (50%)
- Blue (59%)



- Red (0%)
- Yellow (27%)
- Blue (59%)



- Cyan (100%)
- Magenta (15%)
- Yellow (0%)
- Black (41%)




- Cyan (100%)
- Magenta (50%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 29.630, 224.455 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, 29.630, 224.455 by changing the saturation by 10% instead.

 49, 29.630,
224.455

 49, 29.630,
224.455

 100, 29.630,
224.455

 39, 29.630,
224.455

 69, 29.630,
224.455

 29, 29.630,
224.455

 79, 29.630,
224.455

 19, 29.630,
224.455

 89, 29.630,
224.455

 9, 29.630, 224.455

 99, 29.630,
224.455

 0, 29.630, 224.455

 49, 29.630,

 49, 29.630,

224.455

224.455

■ 49, 29.454,
224.646

■ 50, 28.889,
222.106

■ 51, 27.913,
219.930

■ 52, 26.326,
218.208

■ 53, 24.104,
216.882

■ 54, 21.265,
215.890

■ 56, 17.859,
215.173

■ 57, 13.954,
214.684

■ 59, 9.626, 214.381

Harmonies

Complementary

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



49, 29.630, 224.455



32, 67.687, 42.274

Rectangle

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



49, 29.630, 224.455



49, 29.630, 274.455



49, 29.630, 44.455



49, 29.630, 94.455

Sweetspot

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



49, 29.454, 224.646



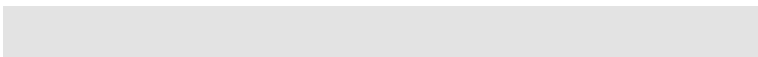
73, 17.264, 214.707



54, 77.432, 137.849



38, 11.693, 214.878



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



49, 29.454, 224.646



63, 35.787, 225.299



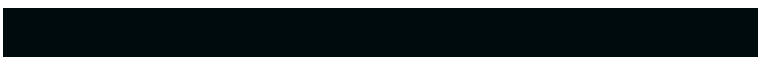
26, 63.269, 295.031



32, 2.837, 214.250



46, 27.941, 224.441



2, 3.112, 215.550

Inverse Universe

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



34, 69.455, 335.260



45, 84.232, 335.426



46, 55.748, 74.587



30, 5.347, 329.428



32, 65.924, 335.208



1, 5.692, 329.344

Previews

White Background



This preview shows how the CIELCh color 49, 29.630, 224.455 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, 29.630, 224.455 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

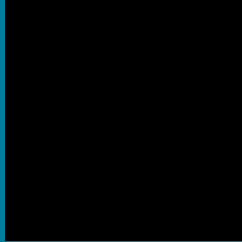
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 29.630, 224.455

Background



This preview shows how black text looks on a background with the CIELCh color 49, 29.630, 224.455.



This preview shows how white text looks on a background with the CIELCh color 49, 29.630, 224.455.

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, 29.483, 224.650

Protanopia

49, 15.930, 285.710

Deuteranopia

49, 23.568, 287.363



Tritanopia
49, 29.191, 208.408

Trichromacy



Original Color
49, 29.483, 224.650

Protanomaly
48, 21.043, 243.103

Deuteranomaly
48, 24.582, 253.712

Tritanomaly
49, 29.106, 213.377

Monochromacy



Original Color
49, 29.483, 224.650

Achromatopsia
39, 0.006, 296.813

Achromatomaly
42, 16.379, 215.039

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 29.630, 224.455 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, 151)` looks like.

```
.text, #text, p{  
    color:rgb(0, 128, 151)  
}
```

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, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 128, 151) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 29.630, 224.455 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, 151) }
```

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

```
.border{ border-color:rgb(0, 128, 151) }
```

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, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 128, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 128, 151);  
box-shadow:4px 4px 4px 4px rgb(0, 128,  
151) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 29.630, 224.455 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, 151) }
```

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

```
.background{ background-color: rgb(0, 128,  
151) }
```

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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