

Converting Colors

CIELCh(47, 43.539, 196.398)

Have a look what the booklet for
CIELCh(47, 43.539, 196.398)
contains.

CIELCh(49, 29.933, 198.717)	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, 29.933, 198.717)

Conversions

Conversions Part 1

Format	Color
Hex	038284
RGB	3, 130, 132
RGB Percent	1%, 51%, 52%
CMY	0.9897, 0.4909, 0.4831
CMYK	0.98, 0.02, 0.00, 0.48
HSL	181°, 96%, 26%
HSV	181°, 98%, 52%
XYZ	12.1426, 17.5941, 24.5170
YIQ	92.2550, -76.3340, -26.3020

Conversions

Conversions Part 2

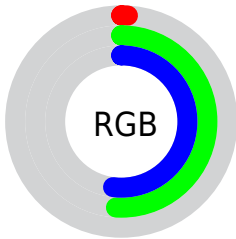
Format	Color
RYB	3, 67, 132
Decimal	230020
CIELab	49.00, -28.35, -9.61
CIELCh	49, 29.933, 198.717
Yxy	17.5941, 0.2238, 0.3243
Android (android.graphics.Color)	4278420100 (0xFF038284)
YUV	92.2550, 19.5943, -78.2766
Hunter-Lab	41.9453, -21.7309, -5.2932

Details

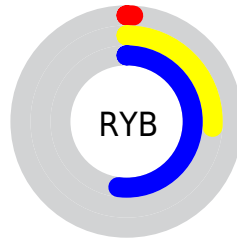
The CIELCh color **49, 29.933, 198.717** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **27, 61.706, 38.491**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 29.821, 199.225**, and **30, 21.173, 201.767** is the 20% darker color. If you saturate the color by 10%, you get **49, 30.061, 198.740**, and if you desaturate by 10%, it is **49, 29.241, 198.597**.

Distribution



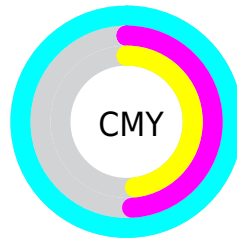
- Red (1%)
- Green (51%)
- Blue (52%)



- Red (1%)
- Yellow (26%)
- Blue (52%)



- Cyan (98%)
- Magenta (2%)
- Yellow (0%)
- Black (48%)



- Cyan (99%)
- Magenta (49%)
- Yellow (48%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 29.933, 198.717 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, 29.933, 198.717 by changing the saturation by 10% instead.

 49, 29.933,
198.717


 49, 29.933,
198.717


 100, 29.933,
198.717


 39, 29.933,
198.717

 69, 29.933,
198.717


 29, 29.933,
198.717

 79, 29.933,
198.717

 19, 29.933,
198.717

 89, 29.933,
198.717

 9, 29.933, 198.717

 99, 29.933,
198.717

 0, 29.933, 198.717

 49, 29.933,

 49, 29.933,

198.717

198.717

■ 49, 30.061,
198.740

■ 49, 29.241,
198.597

■ 49, 28.070,
198.547

■ 50, 26.286,
198.582

■ 50, 23.880,
198.701

■ 51, 20.873,
198.901

■ 51, 17.315,
199.175

■ 52, 13.271,
199.519

■ 53, 8.816, 199.929

Harmonies

Complementary

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



49, 29.933, 198.717



27, 61.706, 38.491

Rectangle

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



49, 29.933, 198.717



49, 29.933, 248.717



49, 29.933, 18.717



49, 29.933, 68.717

Sweetspot

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



49, 29.933, 198.716



66, 16.882, 199.458



48, 72.833, 136.134



34, 11.512, 199.328



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



49, 29.933, 198.716



63, 36.326, 198.794



29, 42.167, 281.908



27, 2.841, 200.363



48, 29.771, 198.737



1, 0.696, 200.726

Inverse Universe

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



31, 69.544, 328.805



40, 84.586, 328.849



36, 50.952, 62.016



26, 5.217, 325.314



30, 69.309, 328.835



0, 1.243, 324.850

Previews

White Background



This preview shows how the CIELCh color 49, 29.933, 198.717 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, 29.933, 198.717 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

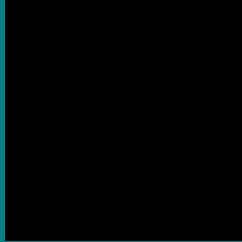
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 29.933, 198.717

Background



This preview shows how black text looks on a background with the CIELCh color 49, 29.933, 198.717.

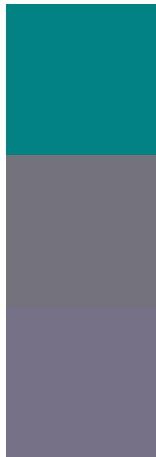


This preview shows how white text looks on a background with the CIELCh color 49, 29.933, 198.717.

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, 29.942, 198.728

Protanopia

49, 4.731, 295.585

Deuteranopia

49, 13.130, 300.157



Tritanopia
49, 27.872, 209.088

Trichromacy



Original Color
49, 29.942, 198.728

Protanomaly
48, 15.998, 210.716

Deuteranomaly
48, 16.721, 230.363

Tritanomaly
49, 28.568, 205.026

Monochromacy



Original Color
49, 29.942, 198.728

Achromatopsia
39, 0.006, 296.813

Achromatomaly
42, 16.764, 197.451

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 29.933, 198.717 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(3, 130, 132)` looks like.

```
.text, #text, p{  
    color:rgb(3, 130, 132)  
}
```

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(3, 130, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 130, 132) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 29.933, 198.717 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(3, 130, 132) }
```

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

```
.border{ border-color:rgb(3, 130, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 130, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 130, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 130, 132);  
box-shadow:4px 4px 4px 4px rgb(3, 130,  
132) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 29.933, 198.717 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 130, 132) }
```

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

```
.background{ background-color: rgb(3, 130,  
132) }
```

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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