

Converting Colors

CIELCh(48, 28.916, 198.044)

Have a look what the booklet for
CIELCh(48, 28.916, 198.044)
contains.

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Color

CIELCh(48, 29.003, 197.662)

Conversions

Conversions Part 1

Format	Color
Hex	0D7F80
RGB	13, 127, 128
RGB Percent	5%, 50%, 50%
CMY	0.9500, 0.5023, 0.4984
CMYK	0.90, 0.01, 0.00, 0.50
HSL	181°, 82%, 28%
HSV	181°, 90%, 50%
XYZ	11.6298, 16.7945, 23.0192
YIQ	93.0280, -68.2650, -23.8570

Conversions

Conversions Part 2

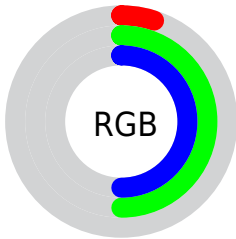
Format	Color
RYB	13, 70, 128
Decimal	884608
CIELab	48.00, -27.64, -8.80
CIElCh	48, 29.003, 197.662
Yxy	16.7945, 0.2261, 0.3265
Android (android.graphics.Color)	4279074688 (0xFF0D7F80)
YUV	93.0280, 17.2412, -70.1846
Hunter-Lab	40.9810, -21.0613, -4.6167

Details

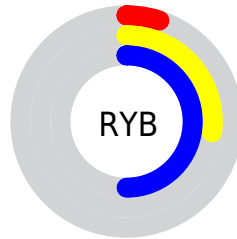
The CIELCh color **48, 29.003, 197.662** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **26, 56.723, 36.394**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 28.810, 198.240**, and **29, 20.747, 200.068** is the 20% darker color. If you saturate the color by 10%, you get **48, 29.687, 197.696**, and if you desaturate by 10%, it is **48, 27.939, 197.672**.

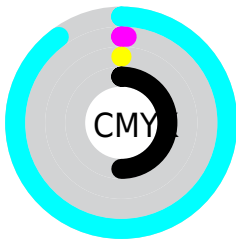
Distribution



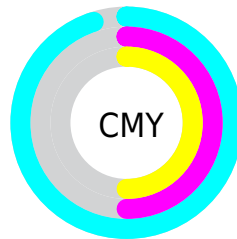
- Red (5%)
- Green (50%)
- Blue (50%)



- Red (5%)
- Yellow (27%)
- Blue (50%)



- Cyan (90%)
- Magenta (1%)
- Yellow (0%)
- Black (50%)



- Cyan (95%)
- Magenta (50%)
- Yellow (50%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 29.003, 197.662 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 48, 29.003, 197.662 by changing the saturation by 10% instead.

 48, 29.003,
197.662

 48, 29.003,
197.662

 100, 29.003,
197.662

 38, 29.003,
197.662

 68, 29.003,
197.662

 28, 29.003,
197.662

 78, 29.003,
197.662

 18, 29.003,
197.662

 88, 29.003,
197.662

 8, 29.003, 197.662

 98, 29.003,
197.662

 0, 29.003, 197.662

 48, 29.003,

 48, 29.003,

197.662

197.662

■ 48, 29.687,
197.696

■ 48, 27.939,
197.672

■ 48, 26.285,
197.755

■ 49, 24.024,
197.912

■ 49, 21.172,
198.141

■ 50, 17.770,
198.438

■ 51, 13.881,
198.800

■ 52, 9.576, 199.223

■ 52, 4.929, 199.719

Harmonies

Complementary

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



48, 29.003, 197.662



26, 56.723, 36.394

Rectangle

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



48, 29.003, 197.662



48, 29.003, 247.662



48, 29.003, 17.662



48, 29.003, 67.662

Sweetspot

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



48, 29.003, 197.661



65, 15.560, 198.897



46, 69.027, 136.607



34, 10.460, 198.784



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



48, 29.003, 197.661



61, 35.856, 197.727



30, 37.820, 278.436



26, 2.768, 199.772



48, 29.619, 197.696



0, 0.000, 0.000

Inverse Universe

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



30, 66.566, 328.430



39, 83.149, 328.577



36, 46.324, 63.630



25, 5.072, 325.130



30, 68.676, 328.569



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 48, 29.003, 197.662 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 48, 29.003, 197.662 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

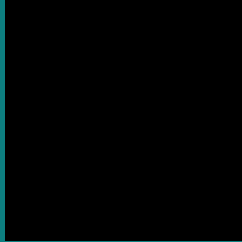
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 29.003, 197.662

Background



This preview shows how black text looks on a background with the CIELCh color 48, 29.003, 197.662.

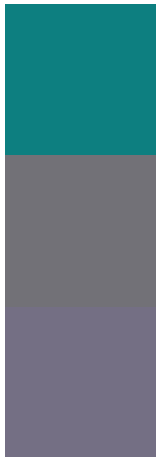


This preview shows how white text looks on a background with the CIELCh color 48, 29.003, 197.662.

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
48, 29.003, 197.662

Protanopia
48, 3.572, 297.057

Deuteranopia
48, 12.588, 300.516



Tritanopia
48, 27.047, 209.561

Trichromacy



Original Color
48, 29.003, 197.662

Protanomaly
47, 14.774, 207.174

Deuteranomaly
47, 15.512, 230.744

Tritanomaly
48, 27.563, 205.421

Monochromacy



Original Color
48, 29.003, 197.662

Achromatopsia
39, 0.006, 296.813

Achromatomaly
42, 14.914, 200.013

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 29.003, 197.662 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(13, 127, 128)` looks like.

```
.text, #text, p{  
    color:rgb(13, 127, 128)  
}
```

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(13, 127, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 127, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 29.003, 197.662 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(13, 127, 128) }
```

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

```
.border{ border-color:rgb(13, 127, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(13, 127, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 127, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 127, 128);  
box-shadow:4px 4px 4px 4px rgb(13, 127,  
128) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 29.003, 197.662 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 127, 128) }
```

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

```
.background{ background-color: rgb(13, 127,  
128) }
```

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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