

Converting Colors

CIELCh(51, 30.086, 212.656)

Have a look what the booklet for
CIELCh(51, 30.086, 212.656)
contains.

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Color

CIELCh(51, 29.917, 212.788)

Conversions

Conversions Part 1

Format	Color
Hex	018694
RGB	1, 134, 148
RGB Percent	0%, 53%, 58%
CMY	0.9966, 0.4736, 0.4186
CMYK	0.99, 0.09, 0.00, 0.42
HSL	186°, 99%, 29%
HSV	186°, 99%, 58%
XYZ	13.9340, 19.2686, 31.1034
YIQ	95.8290, -83.7620, -23.8420

Conversions

Conversions Part 2

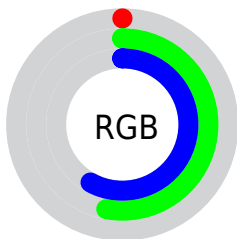
Format	Color
R_{YB}	1, 71, 148
Decimal	99988
CIE _{Lab}	51.00, -25.15, -16.20
CIE _{LCh}	51, 29.917, 212.788
Yxy	19.2686, 0.2167, 0.2996
Android (android.graphics.Color)	4278290068 (0xFF018694)
YUV	95.8290, 25.7203, -83.1650
Hunter-Lab	43.8960, -20.1566, -11.2839

Details

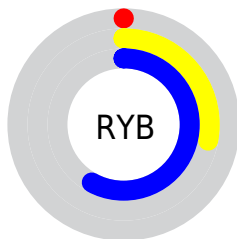
The CIELCh color **51, 29.917, 212.788** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **31, 67.533, 40.777**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **71, 29.920, 212.260**, and **32, 21.638, 219.539** is the 20% darker color. If you saturate the color by 10%, you get **51, 29.943, 212.871**, and if you desaturate by 10%, it is **52, 29.442, 211.368**.

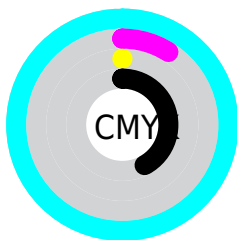
Distribution



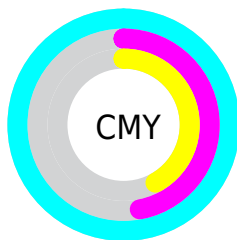
- Red (0%)
- Green (53%)
- Blue (58%)



- Red (0%)
- Yellow (28%)
- Blue (58%)



- Cyan (99%)
- Magenta (9%)
- Yellow (0%)
- Black (42%)




- Cyan (100%)
- Magenta (47%)
- Yellow (42%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 29.917, 212.788 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 51, 29.917, 212.788 by changing the saturation by 10% instead.

 51, 29.917,
212.788

 51, 29.917,
212.788


 100, 29.917,
212.788


 41, 29.917,
212.788

 71, 29.917,
212.788


 31, 29.917,
212.788


 81, 29.917,
212.788

 21, 29.917,
212.788

 91, 29.917,
212.788

 11, 29.917,
212.788

 1, 29.917, 212.788

 0, 29.917, 212.788

■ 51, 29.917,
212.788

■ 51, 29.917,
212.788

■ 51, 29.943,
212.871

■ 52, 29.442,
211.368

■ 52, 28.487,
210.185

■ 53, 26.879,
209.284

■ 54, 24.601,
208.632

■ 55, 21.678,
208.194

■ 56, 18.162,
207.938

■ 57, 14.126,
207.834

■ 59, 9.650, 207.861

Harmonies

Complementary

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



51, 29.917, 212.788



31, 67.533, 40.777

Rectangle

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



51, 29.917, 212.788



51, 29.917, 262.788



51, 29.917, 32.788



51, 29.917, 82.788

Sweetspot

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



51, 29.916, 212.787



73, 17.845, 207.839



53, 78.086, 136.929



38, 11.956, 207.869



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



51, 29.916, 212.787



66, 36.439, 213.256



28, 55.200, 290.253



31, 2.885, 208.024



47, 28.390, 212.749



2, 2.584, 208.120

Inverse Universe

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



34, 71.575, 332.311



45, 87.234, 332.431



43, 55.108, 68.630



29, 5.411, 327.610



31, 67.958, 332.307



1, 4.705, 327.119

Previews

White Background



This preview shows how the CIE LCh color 51, 29.917, 212.788 looks on a white 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

Black Background



This preview shows how the CIELCh color 51, 29.917, 212.788 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

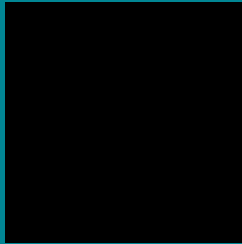
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 29.917, 212.788

Background



This preview shows how black text looks on a background with the CIELCh color 51, 29.917, 212.788.

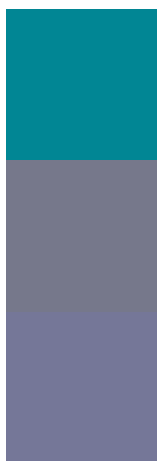


This preview shows how white text looks on a background with the CIELCh color 51, 29.917, 212.788.

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

51, 29.871, 212.817

Protanopia

51, 11.100, 287.724

Deuteranopia

51, 19.258, 290.482



Tritanopia
51, 30.186, 207.910

Trichromacy



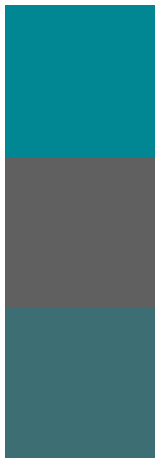
Original Color
51, 29.871, 212.817

Protanomaly
50, 18.794, 230.281

Deuteranomaly
50, 21.361, 244.105

Tritanomaly
51, 30.142, 209.098

Monochromacy



Original Color
51, 29.871, 212.817

Achromatopsia
41, 0.006, 296.813

Achromatomaly
43, 17.081, 207.783

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 29.917, 212.788 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(1, 134, 148)` looks like.

```
.text, #text, p{  
    color:rgb(1, 134, 148)  
}
```

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(1, 134, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 134, 148) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 29.917, 212.788 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(1, 134, 148) }
```

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

```
.border{ border-color:rgb(1, 134, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 134, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 134, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 134, 148);  
box-shadow:4px 4px 4px 4px rgb(1, 134,  
148) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 29.917, 212.788 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 134, 148) }
```

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

```
.background{ background-color: rgb(1, 134,  
148) }
```

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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