

Converting Colors

CIELCh(51, 29.305, 200.070)

Have a look what the booklet for
CIELCh(51, 29.305, 200.070)
contains.

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Color

CIELCh(51, 29.314, 200.059)

Conversions

Conversions Part 1

Format	Color
Hex	17878A
RGB	23, 135, 138
RGB Percent	9%, 53%, 54%
CMY	0.9079, 0.4716, 0.4599
CMYK	0.83, 0.02, 0.00, 0.46
HSL	182°, 71%, 32%
HSV	182°, 83%, 54%
XYZ	13.5592, 19.2686, 26.9491
YIQ	101.8540, -67.7150, -22.8110

Conversions

Conversions Part 2

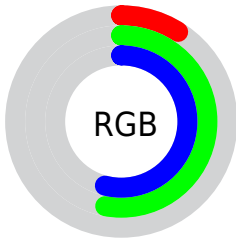
Format	Color
R_{YB}	23, 80, 138
Decimal	1542026
CIE _{Lab}	51.00, -27.54, -10.05
CIE _{LCh}	51, 29.314, 200.059
Yxy	19.2686, 0.2268, 0.3223
Android (android.graphics.Color)	4279732106 (0xFF17878A)
YUV	101.8540, 17.8200, -69.1550
Hunter-Lab	43.8960, -21.6806, -5.6727

Details

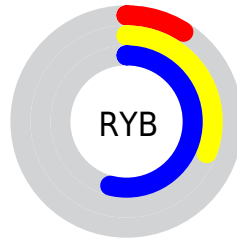
The CIELCh color **51, 29.314, 200.059** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **30, 55.506, 34.852**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **71, 29.492, 199.312**, and **32, 22.088, 201.490** is the 20% darker color. If you saturate the color by 10%, you get **51, 30.172, 200.290**, and if you desaturate by 10%, it is **51, 27.840, 199.933**.

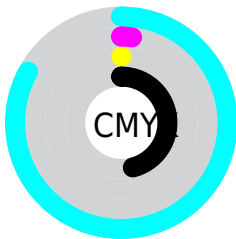
Distribution



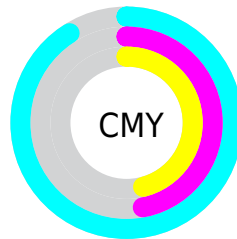
- Red (9%)
- Green (53%)
- Blue (54%)



- Red (9%)
- Yellow (31%)
- Blue (54%)



- Cyan (83%)
- Magenta (2%)
- Yellow (0%)
- Black (46%)





- Cyan (91%)
- Magenta (47%)
- Yellow (46%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 29.314, 200.059 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, 29.314, 200.059 by changing the saturation by 10% instead.


 51, 29.314,
200.059


 51, 29.314,
200.059


 100, 29.314,
200.059


 41, 29.314,
200.059


 71, 29.314,
200.059


 31, 29.314,
200.059

 81, 29.314,
200.059

 21, 29.314,
200.059

 91, 29.314,
200.059

 11, 29.314,
200.059

 1, 29.314, 200.059

 0, 29.314, 200.059

■ 51, 29.314,
200.059

■ 51, 29.314,
200.059

■ 51, 30.172,
200.290

■ 51, 27.840,
199.933

■ 51, 30.587,
200.485

■ 52, 25.719,
199.913

■ 52, 22.960,
199.993

■ 53, 19.601,
200.164

■ 54, 15.703,
200.419

■ 55, 11.341,
200.748

■ 56, 6.595, 201.154

■ 57, 1.542, 201.792

Harmonies

Complementary

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



51, 29.314, 200.059



30, 55.506, 34.852

Rectangle

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



51, 29.314, 200.059



51, 29.314, 250.059



51, 29.314, 20.059



51, 29.314, 70.059

Sweetspot

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



51, 29.314, 200.058



69, 15.130, 200.656



50, 69.836, 137.365



36, 10.172, 200.554



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



51, 29.314, 200.058



65, 36.973, 200.577



33, 38.206, 277.457



29, 2.899, 201.337



49, 29.760, 200.470



1, 1.377, 201.670

Inverse Universe

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



33, 67.285, 328.931



42, 86.633, 329.301



41, 45.599, 66.318



27, 5.345, 325.615



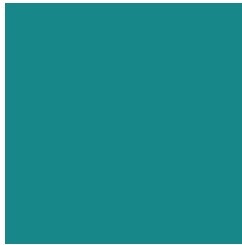
31, 69.707, 329.274



0, 2.467, 325.145

Previews

White Background



This preview shows how the CIELCh color 51, 29.314, 200.059 looks on a white background.

Color Contrast Check

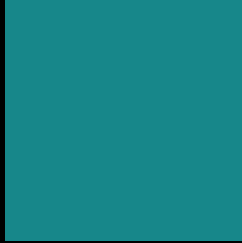
Large Text (above 18pt) WCAG AA ✓ Pass

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, 29.314, 200.059 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

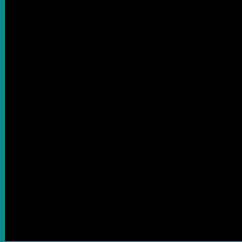
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 29.314, 200.059

Background



This preview shows how black text looks on a background with the CIELCh color 51, 29.314, 200.059.



This preview shows how white text looks on a background with the CIELCh color 51, 29.314, 200.059.

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, 29.405, 200.040

Protanopia

51, 5.277, 295.097

Deuteranopia

51, 13.608, 299.805



Tritanopia
51, 27.875, 210.324

Trichromacy



Original Color
51, 29.405, 200.040

Protanomaly
50, 14.289, 214.857

Deuteranomaly
50, 15.502, 235.799

Tritanomaly
51, 28.301, 206.363

Monochromacy



Original Color
51, 29.405, 200.040

Achromatopsia
43, 0.006, 296.813

Achromatomaly
45, 14.870, 200.086

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 29.314, 200.059 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(23, 135, 138)` looks like.

```
.text, #text, p{  
    color:rgb(23, 135, 138)  
}
```

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(23, 135, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 135, 138) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 29.314, 200.059 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(23, 135, 138) }
```

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

```
.border{ border-color:rgb(23, 135, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 135, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 135, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 135, 138);  
box-shadow:4px 4px 4px 4px rgb(23, 135,  
138) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 29.314, 200.059 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 135, 138) }
```

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

```
.background{ background-color: rgb(23, 135,  
138) }
```

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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