

Converting Colors

CIELCh(50, 29.501, 201.392)

Have a look what the booklet for
CIELCh(50, 29.501, 201.392)
contains.

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Color

CIELCh(50, 29.504, 201.159)

Conversions

Conversions Part 1

Format	Color
Hex	0D8488
RGB	13, 132, 136
RGB Percent	5%, 52%, 53%
CMY	0.9471, 0.4817, 0.4660
CMYK	0.90, 0.03, 0.00, 0.47
HSL	182°, 82%, 29%
HSV	182°, 90%, 53%
XYZ	12.9022, 18.4187, 26.2289
YIQ	96.8750, -72.2080, -23.9840

Conversions

Conversions Part 2

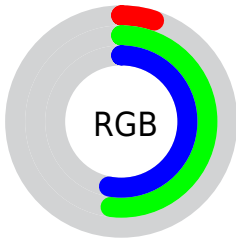
Format	Color
RYB	13, 73, 136
Decimal	885896
CIELab	50.00, -27.51, -10.65
CIELCh	50, 29.504, 201.159
Yxy	18.4187, 0.2242, 0.3200
Android (android.graphics.Color)	4279075976 (0xFF0D8488)
YUV	96.8750, 19.2886, -73.5584
Hunter-Lab	42.9170, -21.4418, -6.1934

Details

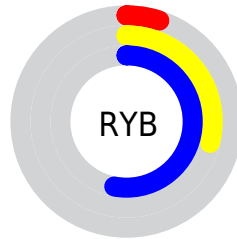
The CIELCh color **50, 29.504, 201.159** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **29, 59.326, 37.167**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 29.577, 200.363**, and **31, 21.429, 203.451** is the 20% darker color. If you saturate the color by 10%, you get **50, 30.089, 201.516**, and if you desaturate by 10%, it is **50, 28.499, 200.879**.

Distribution



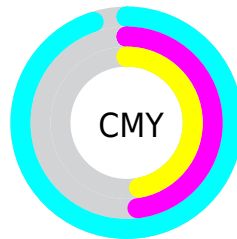
- Red (5%)
- Green (52%)
- Blue (53%)



- Red (5%)
- Yellow (29%)
- Blue (53%)



- Cyan (90%)
- Magenta (3%)
- Yellow (0%)
- Black (47%)





- Cyan (95%)
- Magenta (48%)
- Yellow (47%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 29.504, 201.159 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 50, 29.504, 201.159 by changing the saturation by 10% instead.


 50, 29.504,
201.159


 50, 29.504,
201.159


 100, 29.504,
201.159


 40, 29.504,
201.159


 70, 29.504,
201.159

 30, 29.504,
201.159


 80, 29.504,
201.159


 20, 29.504,
201.159

 90, 29.504,
201.159

 10, 29.504,
201.159

 0, 29.504, 201.159

 50, 29.504,
201.159

 50, 29.504,
201.159

■ 50, 30.089,
201.516

■ 50, 28.499,
200.879

■ 51, 26.871,
200.720

■ 51, 24.604,
200.675

■ 52, 21.714,
200.737

■ 53, 18.249,
200.895

■ 53, 14.273,
201.140

■ 54, 9.863, 201.462

■ 56, 5.096, 201.871

■ 57, 0.049, 210.771

Harmonies

Complementary

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



50, 29.504, 201.159



29, 59.326, 37.167

Rectangle

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



50, 29.504, 201.159



50, 29.504, 251.159



50, 29.504, 21.159



50, 29.504, 71.159

Sweetspot

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



50, 29.504, 201.158



68, 15.933, 201.213



49, 72.037, 136.782



35, 10.705, 201.128



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



50, 29.504, 201.158



63, 36.280, 201.633



31, 41.066, 280.397



29, 2.881, 201.917



49, 29.520, 201.503



1, 1.369, 202.229

Inverse Universe

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



32, 68.612, 329.331



41, 85.292, 329.566



39, 48.582, 64.956



27, 5.322, 325.790



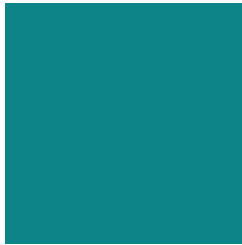
31, 69.371, 329.533



0, 2.456, 325.319

Previews

White Background



This preview shows how the CIELCh color 50, 29.504, 201.159 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 50, 29.504, 201.159 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

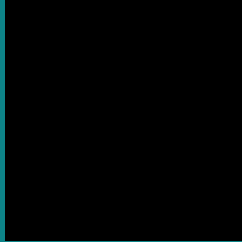
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 29.504, 201.159

Background



This preview shows how black text looks on a background with the CIELCh color 50, 29.504, 201.159.



This preview shows how white text looks on a background with the CIELCh color 50, 29.504, 201.159.

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

50, 29.504, 201.159

Protanopia

50, 5.273, 290.871

Deuteranopia

50, 14.142, 296.527



Tritanopia
50, 28.118, 210.207

Trichromacy



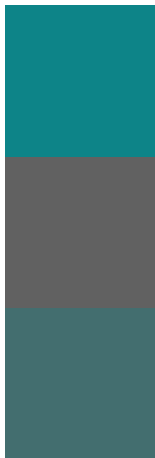
Original Color
50, 29.504, 201.159

Protanomaly
49, 15.471, 213.466

Deuteranomaly
49, 16.743, 235.160

Tritanomaly
50, 28.436, 207.541

Monochromacy



Original Color
50, 29.504, 201.159

Achromatopsia
41, 0.006, 296.813

Achromatomaly
43, 15.500, 199.895

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 29.504, 201.159 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, 132, 136)` looks like.

```
.text, #text, p{  
    color:rgb(13, 132, 136)  
}
```

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, 132, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 132, 136) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 29.504, 201.159 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, 132, 136) }
```

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

```
.border{ border-color:rgb(13, 132, 136) }
```

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

Here you see how a box with a 4 pixel rgb(13, 132, 136) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 132, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 132, 136);  
box-shadow:4px 4px 4px 4px rgb(13, 132,  
136) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 29.504, 201.159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 132, 136) }
```

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

```
.background{ background-color: rgb(13, 132,  
136) }
```

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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