

Converting Colors

CIELCh(50, 29.291, 177.874)

Have a look what the booklet for
CIELCh(50, 29.291, 177.874)
contains.

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Color

CIELCh(50, 29.271, 177.686)

Conversions

Conversions Part 1

Format	Color
Hex	308474
RGB	48, 132, 116
RGB Percent	19%, 52%, 45%
CMY	0.8114, 0.4820, 0.5448
CMYK	0.64, 0.00, 0.12, 0.48
HSL	169°, 47%, 35%
HSV	169°, 64%, 52%
XYZ	12.6431, 18.4187, 19.4364
YIQ	105.0600, -44.9280, -22.7840

Conversions

Conversions Part 2

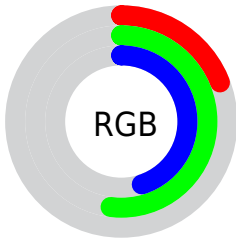
Format	Color
RYB	48, 94, 132
Decimal	3179636
CIELab	50.00, -29.25, 1.18
CIElCh	50, 29.271, 177.686
Yxy	18.4187, 0.2504, 0.3647
Android (android.graphics.Color)	4281369716 (0xFF308474)
YUV	105.0600, 5.3934, -50.0416
Hunter-Lab	42.9170, -22.5197, 3.1904




Details

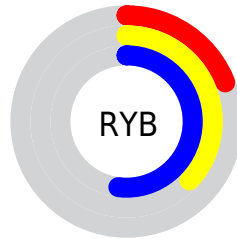
The CIELCh color **50, 29.271, 177.686** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **33, 38.579, 13.832**, and the grayscale version is **44, 0.006, 296.813**.




A 20% lighter version of the original color is **70, 29.442, 177.422**, and **31, 25.828, 175.448** is the 20% darker color. If you saturate the color by 10%, you get **50, 32.237, 176.386**, and if you desaturate by 10%, it is **51, 25.737, 178.869**.

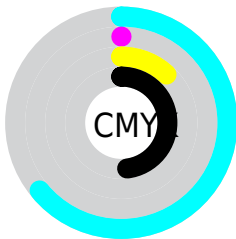
Distribution







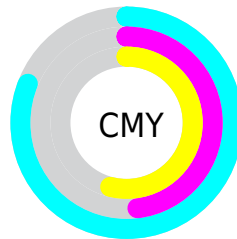
-  Red (19%)
-  Green (52%)
-  Blue (45%)






-  Red (19%)
-  Yellow (37%)
-  Blue (52%)



-  Cyan (64%)
-  Magenta (0%)
-  Yellow (12%)
-  Black (48%)





-  Cyan (81%)
-  Magenta (48%)
-  Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 29.271, 177.686 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, 29.271, 177.686 by changing the saturation by 10% instead.


 50, 29.271,
177.686


 50, 29.271,
177.686


 100, 29.271,
177.686


 40, 29.271,
177.686


 70, 29.271,
177.686

 30, 29.271,
177.686


 80, 29.271,
177.686


 20, 29.271,
177.686

 90, 29.271,
177.686

 10, 29.271,
177.686

 0, 29.271, 177.686

 50, 29.271,
177.686

 50, 29.271,
177.686

■ 50, 32.237,
176.386

■ 51, 25.737,
178.869

■ 49, 34.611,
174.953

■ 51, 21.689,
179.961

■ 49, 36.414,
173.371

■ 52, 17.202,
180.978

■ 49, 37.447,
172.356

■ 53, 12.358,
181.938

■ 54, 7.242, 182.862

■ 55, 1.934, 183.867

■ 56, 3.498, 4.391

■ 57, 8.994, 5.256

■ 59, 14.507, 6.044

Harmonies

Complementary

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



50, 29.271, 177.686



33, 38.579, 13.832

Rectangle

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



50, 29.271, 177.686



50, 29.271, 227.686



50, 29.271, 357.686



50, 29.271, 47.686

Sweetspot

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



50, 29.271, 177.685



67, 12.382, 182.325



49, 53.772, 135.157



35, 8.549, 182.096



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



50, 29.271, 177.685



63, 40.178, 175.815



42, 22.497, 240.875



27, 3.034, 183.275



48, 37.016, 172.386



1, 0.736, 183.985

Inverse Universe

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



33, 38.579, 13.832



39, 56.070, 18.522



38, 34.206, 48.866



26, 3.145, 4.715



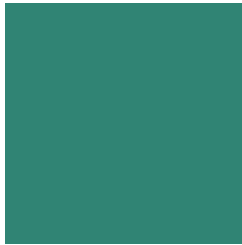
26, 55.885, 28.391



0, 0.736, 3.970

Previews

White Background



This preview shows how the CIELCh color 50, 29.271, 177.686 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, 29.271, 177.686 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, 29.271, 177.686

Background



This preview shows how black text looks on a background with the CIELCh color 50, 29.271, 177.686.

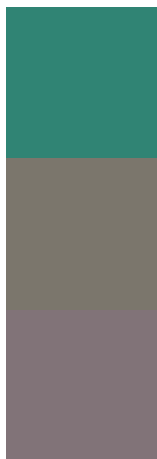


This preview shows how white text looks on a background with the CIELCh color 50, 29.271, 177.686.

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, 29.271, 177.686

Protanopia

50, 6.185, 89.646

Deuteranopia

50, 6.409, 353.051



Tritanopia
50, 22.596, 212.476

Trichromacy



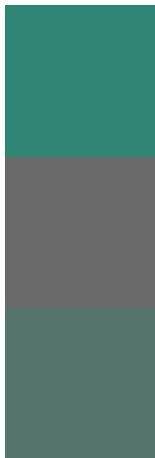
Original Color
50, 29.271, 177.686

Protanomaly
49, 12.860, 164.850

Deuteranomaly
49, 8.235, 190.315

Tritanomaly
50, 24.033, 198.416

Monochromacy



Original Color
50, 29.271, 177.686

Achromatopsia
44, 0.006, 296.813

Achromatomaly
46, 12.550, 181.418

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 29.271, 177.686 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(48, 132, 116)` looks like.

```
.text, #text, p{  
    color:rgb(48, 132, 116)  
}
```

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(48, 132, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 132, 116) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 29.271, 177.686 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(48, 132, 116) }
```

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

```
.border{ border-color:rgb(48, 132, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 132, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 132, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 132, 116);  
box-shadow:4px 4px 4px 4px rgb(48, 132,  
116) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 29.271, 177.686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 132, 116) }
```

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

```
.background{ background-color: rgb(48, 132,  
116) }
```

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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