

Converting Colors

CIELCh(57, 30.063, 194.518)

Have a look what the booklet for
CIELCh(57, 30.063, 194.518)
contains.

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Color

CIELCh(57, 30.066, 194.497)

Conversions

Conversions Part 1

Format	Color
Hex	309795
RGB	48, 151, 149
RGB Percent	19%, 59%, 58%
CMY	0.8119, 0.4079, 0.4158
CMYK	0.68, 0.00, 0.01, 0.41
HSL	179°, 52%, 39%
HSV	179°, 68%, 59%
XYZ	17.7035, 24.9227, 32.3017
YIQ	119.9750, -60.7460, -22.4580

Conversions

Conversions Part 2

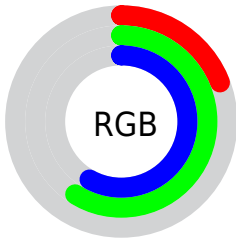
Format	Color
RYB	48, 100, 151
Decimal	3184533
CIELab	57.00, -29.11, -7.53
CIELCh	57, 30.066, 194.497
Yxy	24.9227, 0.2363, 0.3326
Android (android.graphics.Color)	4281374613 (0xFF309795)
YUV	119.9750, 14.3093, -63.1221
Hunter-Lab	49.9226, -24.0652, -3.4169

Details

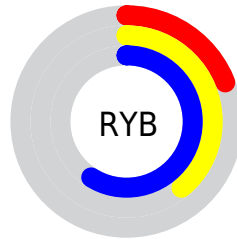
The CIELCh color **57, 30.066, 194.497** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **36, 48.839, 28.087**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **77, 30.182, 194.137**, and **37, 25.217, 194.936** is the 20% darker color. If you saturate the color by 10%, you get **57, 32.110, 194.153**, and if you desaturate by 10%, it is **57, 27.316, 194.873**.

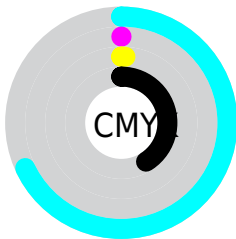
Distribution



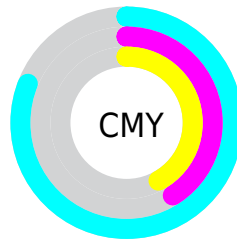
- Red (19%)
- Green (59%)
- Blue (58%)



- Red (19%)
- Yellow (39%)
- Blue (59%)



- Cyan (68%)
- Magenta (0%)
- Yellow (1%)
- Black (41%)



- Cyan (81%)
- Magenta (41%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 57, 30.066, 194.497 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 57, 30.066, 194.497 by changing the saturation by 10% instead.


 57, 30.066,
194.497

 57, 30.066,
194.497

 100, 30.066,
194.497

 47, 30.066,
194.497


 77, 30.066,
194.497

 37, 30.066,
194.497

 87, 30.066,
194.497

 27, 30.066,
194.497

 97, 30.066,
194.497

 17, 30.066,
194.497

 7, 30.066, 194.497

 0, 30.066, 194.497

■ 57, 30.066,
194.497

■ 57, 30.066,
194.497

■ 57, 32.110,
194.153

■ 57, 27.316,
194.873

■ 56, 33.465,
193.839

■ 58, 23.884,
195.290

■ 56, 34.260,
193.544

■ 59, 19.825,
195.749

■ 56, 34.389,
193.493

■ 59, 15.215,
196.249

■ 60, 10.142,
196.792

■ 61, 4.696, 197.403

■ 63, 1.038, 17.464

■ 64, 6.980, 18.436

Harmonies

Complementary

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



57, 30.066, 194.497



36, 48.839, 28.087

Rectangle

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



57, 30.066, 194.497



57, 30.066, 244.497



57, 30.066, 14.497



57, 30.066, 64.497

Sweetspot

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



57, 30.066, 194.496



77, 13.702, 196.670



55, 66.076, 137.979



40, 9.347, 196.528



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



57, 30.066, 194.496



72, 39.990, 193.980



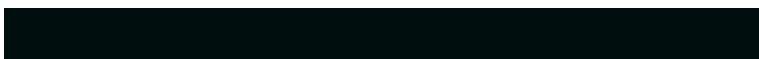
42, 31.624, 266.425



32, 3.255, 197.335



53, 32.585, 193.511



3, 3.599, 197.585

Inverse Universe

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



36, 48.839, 28.087



43, 73.099, 33.423



46, 40.118, 63.819



30, 3.438, 18.321



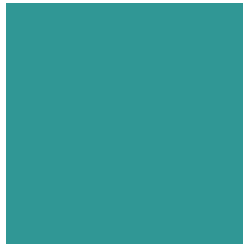
28, 65.461, 38.280



1, 3.598, 17.814

Previews

White Background



This preview shows how the CIE LCh color 57, 30.066, 194.497 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 57, 30.066, 194.497 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

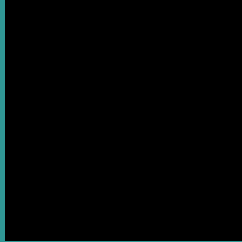
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 57, 30.066, 194.497

Background



This preview shows how black text looks on a background with the CIELCh color 57, 30.066, 194.497.

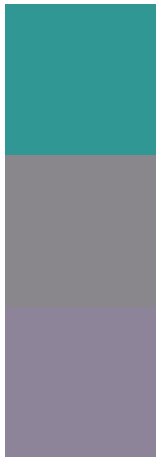


This preview shows how white text looks on a background with the CIELCh color 57, 30.066, 194.497.

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


57, 30.066, 194.497

Protanopia

57, 2.430, 309.152

Deuteranopia

57, 12.538, 307.194



Tritanopia
57, 27.480, 211.701

Trichromacy



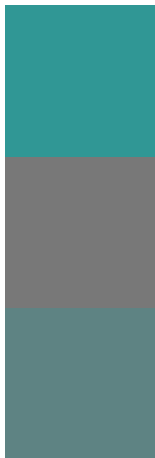
Original Color
57, 30.066, 194.497

Protanomaly
56, 13.022, 203.269

Deuteranomaly
56, 13.270, 232.855

Tritanomaly
57, 28.279, 205.155

Monochromacy



Original Color
57, 30.066, 194.497

Achromatopsia
50, 0.007, 296.813

Achromatomaly
52, 13.519, 198.052

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 30.066, 194.497 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, 151, 149)` looks like.

```
.text, #text, p{  
    color:rgb(48, 151, 149)  
}
```

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, 151, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 151, 149) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 30.066, 194.497 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, 151, 149) }
```

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

```
.border{ border-color:rgb(48, 151, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 151, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 151, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 151, 149);  
box-shadow:4px 4px 4px 4px rgb(48, 151,  
149) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 30.066, 194.497 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 151, 149) }
```

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

```
.background{ background-color: rgb(48, 151,  
149) }
```

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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