

Converting Colors

CIELCh(57, 29.550, 210.488)

Have a look what the booklet for
CIELCh(57, 29.550, 210.488)
contains.

CIELCh(57, 29.550, 210.488)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(57, 29.550, 210.488)

Conversions

Conversions Part 1

Format	Color
Hex	2A96A2
RGB	42, 150, 162
RGB Percent	16%, 59%, 64%
CMY	0.8351, 0.4117, 0.3646
CMYK	0.74, 0.07, 0.00, 0.36
HSL	186°, 59%, 40%
HSV	186°, 74%, 64%
XYZ	18.3900, 24.9227, 38.0349
YIQ	119.0760, -68.2200, -19.1640

Conversions

Conversions Part 2

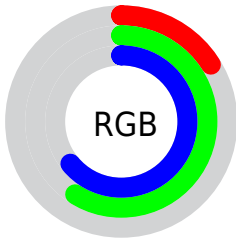
Format	Color
R _Y B	42, 99, 162
Decimal	2791074
CIE Lab	57.00, -25.46, -14.99
CIE LCh	57, 29.550, 210.488
Yxy	24.9227, 0.2261, 0.3064
Android (android.graphics.Color)	4280981154 (0xFF2A96A2)
YUV	119.0760, 21.1615, -67.5957
Hunter-Lab	49.9226, -21.6104, -10.2259




Details

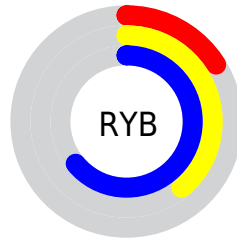
The CIELCh color **57, 29.550, 210.488** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **39, 54.158, 35.841**, and the grayscale version is **50, 0.007, 296.813**.




A 20% lighter version of the original color is **77, 29.760, 210.030**, and **38, 24.109, 213.277** is the 20% darker color. If you saturate the color by 10%, you get **56, 30.902, 211.613**, and if you desaturate by 10%, it is **58, 27.478, 209.645**.

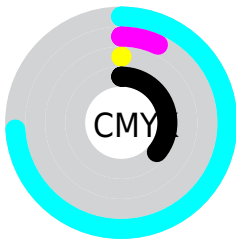
Distribution







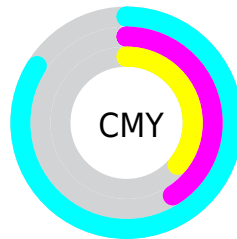
-  Red (16%)
-  Green (59%)
-  Blue (64%)






-  Red (16%)
-  Yellow (39%)
-  Blue (64%)



-  Cyan (74%)
-  Magenta (7%)
-  Yellow (0%)
-  Black (36%)



-  Cyan (84%)
-  Magenta (41%)
-  Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 57, 29.550, 210.488 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, 29.550, 210.488 by changing the saturation by 10% instead.

 57, 29.550,
210.488

 57, 29.550,
210.488

 100, 29.550,
210.488

 47, 29.550,
210.488

 77, 29.550,
210.488

 37, 29.550,
210.488

 87, 29.550,
210.488

 27, 29.550,
210.488

 97, 29.550,
210.488

 17, 29.550,
210.488

 7, 29.550, 210.488

 0, 29.550, 210.488

■ 57, 29.550,
210.488

■ 57, 29.550,
210.488

■ 56, 30.902,
211.613

■ 58, 27.478,
209.645

■ 56, 31.580,
213.054

■ 59, 24.692,
209.049

■ 55, 31.817,
213.997

■ 60, 21.235,
208.662

■ 61, 17.178,
208.452

■ 63, 12.602,
208.389

■ 64, 7.598, 208.456

■ 66, 2.248, 208.739

■ 68, 3.368, 28.593

Harmonies

Complementary

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



57, 29.550, 210.488



39, 54.158, 35.841

Rectangle

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



57, 29.550, 210.488



57, 29.550, 260.488



57, 29.550, 30.488



57, 29.550, 80.488

Sweetspot

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



57, 29.549, 210.487



80, 14.407, 208.391



59, 70.623, 140.049



42, 9.673, 208.389



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



57, 29.549, 210.487



72, 38.328, 212.533



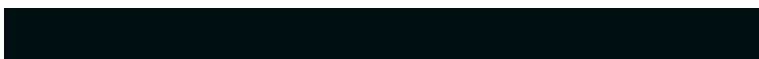
39, 44.689, 282.139



34, 3.116, 208.541



50, 29.403, 213.817



4, 4.854, 211.630

Inverse Universe

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



40, 68.304, 331.381



50, 91.059, 332.177



52, 47.132, 75.203



32, 5.852, 327.771



33, 70.389, 332.569



1, 8.875, 328.172

Previews

White Background



This preview shows how the CIELCh color 57, 29.550, 210.488 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, 29.550, 210.488 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

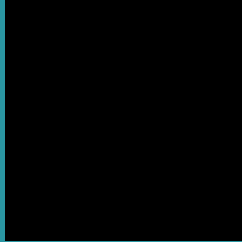
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 57, 29.550, 210.488

Background



This preview shows how black text looks on a background with the CIELCh color 57, 29.550, 210.488.



This preview shows how white text looks on a background with the CIELCh color 57, 29.550, 210.488.

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, 29.550, 210.488

Protanopia
57, 9.731, 286.943

Deuteranopia
57, 18.891, 293.449



Tritanopia
57, 29.550, 210.488

Trichromacy



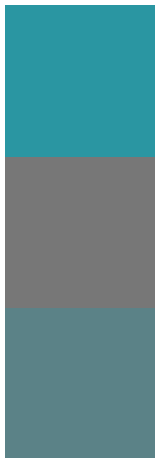
Original Color
57, 29.550, 210.488

Protanomaly
56, 16.109, 233.261

Deuteranomaly
56, 19.043, 250.472

Tritanomaly
57, 29.550, 210.488

Monochromacy



Original Color
57, 29.550, 210.488

Achromatopsia
50, 0.007, 296.813

Achromatomaly
52, 14.119, 210.031

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 29.550, 210.488 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(42, 150, 162)` looks like.

```
.text, #text, p{  
    color:rgb(42, 150, 162)  
}
```

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(42, 150, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 150, 162) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 29.550, 210.488 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(42, 150, 162) }
```

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

```
.border{ border-color:rgb(42, 150, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 150, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 150, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 150, 162);  
box-shadow:4px 4px 4px 4px rgb(42, 150,  
162) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 29.550, 210.488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 150, 162) }
```

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

```
.background{ background-color: rgb(42, 150,  
162) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor