

Converting Colors

CIELCh(57, 30.103, 207.678)

Have a look what the booklet for
CIELCh(57, 30.103, 207.678)
contains.

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Color

CIELCh(57, 29.961, 207.967)

Conversions

Conversions Part 1

Format	Color
Hex	2896A0
RGB	40, 150, 160
RGB Percent	16%, 59%, 63%
CMY	0.8448, 0.4103, 0.3711
CMYK	0.75, 0.06, 0.00, 0.37
HSL	185°, 60%, 39%
HSV	185°, 75%, 63%
XYZ	18.2003, 24.9227, 37.2770
YIQ	118.2500, -68.7700, -20.2100

Conversions

Conversions Part 2

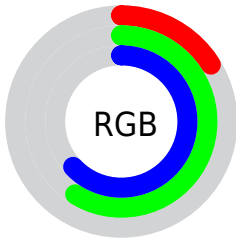
Format	Color
RYB	40, 97, 160
Decimal	2660000
CIELab	57.00, -26.46, -14.05
CIElCh	57, 29.961, 207.967
Yxy	24.9227, 0.2264, 0.3100
Android (android.graphics.Color)	4280850080 (0xFF2896A0)
YUV	118.2500, 20.5828, -68.6252
Hunter-Lab	49.9226, -22.2887, -9.3258




Details

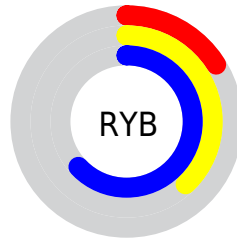
The CIELCh color **57, 29.961, 207.967** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **38, 55.254, 35.263**, and the grayscale version is **50, 0.007, 296.813**.




A 20% lighter version of the original color is **77, 29.969, 207.782**, and **38, 24.115, 211.702** is the 20% darker color. If you saturate the color by 10%, you get **56, 31.236, 208.872**, and if you desaturate by 10%, it is **58, 27.965, 207.301**.

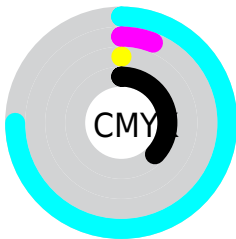
Distribution







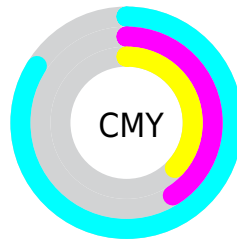
-  Red (16%)
-  Green (59%)
-  Blue (63%)






-  Red (16%)
-  Yellow (38%)
-  Blue (63%)



-  Cyan (75%)
-  Magenta (6%)
-  Yellow (0%)
-  Black (37%)




-  Cyan (84%)
-  Magenta (41%)
-  Yellow (37%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 57, 29.961, 207.967 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, 29.961, 207.967 by changing the saturation by 10% instead.


 57, 29.961,
207.967

 57, 29.961,
207.967


 100, 29.961,
207.967


 47, 29.961,
207.967


 77, 29.961,
207.967

 37, 29.961,
207.967

 87, 29.961,
207.967

 27, 29.961,
207.967

 97, 29.961,
207.967

 17, 29.961,
207.967

 7, 29.961, 207.967

 0, 29.961, 207.967

■ 57, 29.961,
207.967

■ 57, 29.961,
207.967

■ 56, 31.236,
208.872

■ 58, 27.965,
207.301

■ 56, 31.851,
210.038

■ 59, 25.249,
206.848

■ 56, 32.041,
210.623

■ 60, 21.852,
206.579

■ 61, 17.840,
206.466

■ 62, 13.295,
206.485

■ 64, 8.307, 206.621

■ 65, 2.961, 206.922

■ 67, 2.662, 26.850

Harmonies

Complementary

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



57, 29.961, 207.967



38, 55.254, 35.263

Rectangle

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



57, 29.961, 207.967



57, 29.961, 257.967



57, 29.961, 27.967



57, 29.961, 77.967

Sweetspot

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



57, 29.960, 207.966



80, 15.089, 206.502



58, 72.273, 139.099



41, 10.298, 206.474



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



57, 29.960, 207.966



72, 38.603, 209.589



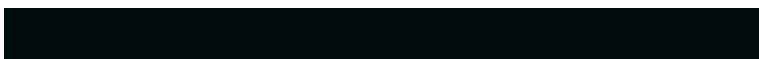
39, 42.724, 279.692



33, 3.082, 206.769



50, 29.454, 210.467



3, 4.067, 208.676

Inverse Universe

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



40, 69.242, 330.779



49, 91.620, 331.462



50, 47.161, 71.985



31, 5.768, 327.248



33, 70.420, 331.749



1, 7.413, 327.286

Previews

White Background



This preview shows how the CIELCh color 57, 29.961, 207.967 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, 29.961, 207.967 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

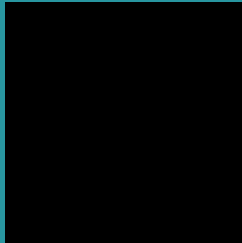
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 57, 29.961, 207.967

Background



This preview shows how black text looks on a background with the CIELCh color 57, 29.961, 207.967.

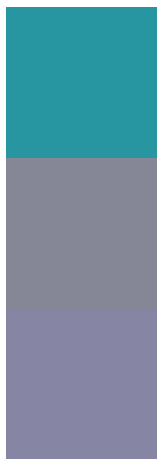


This preview shows how white text looks on a background with the CIELCh color 57, 29.961, 207.967.

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, 29.841, 208.022

Protanopia
57, 8.576, 288.687

Deuteranopia
57, 17.766, 294.554



Tritanopia
57, 29.673, 210.421

Trichromacy



Original Color
57, 29.841, 208.022

Protanomaly
56, 15.660, 226.815

Deuteranomaly
56, 18.462, 247.066

Tritanomaly
57, 29.812, 209.188

Monochromacy



Original Color
57, 29.841, 208.022

Achromatopsia
50, 0.007, 296.813

Achromatomaly
52, 14.701, 204.832

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 29.961, 207.967 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(40, 150, 160)` looks like.

```
.text, #text, p{  
    color:rgb(40, 150, 160)  
}
```

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(40, 150, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 150, 160) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 29.961, 207.967 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(40, 150, 160) }
```

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

```
.border{ border-color:rgb(40, 150, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 150, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 150, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 150, 160);  
box-shadow:4px 4px 4px 4px rgb(40, 150,  
160) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 29.961, 207.967 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 150, 160) }
```

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

```
.background{ background-color: rgb(40, 150,  
160) }
```

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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