

Converting Colors

CIELCh(57, 84.055, 135.546)

Have a look what the booklet for
CIELCh(57, 84.055, 135.546)
contains.

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Color

CIELCh(57, 83.748, 135.671)

Conversions

Conversions Part 1

Format	Color
Hex	0C9F00
RGB	12, 159, 0
RGB Percent	5%, 62%, 0%
CMY	0.9547, 0.3759, 0.9988
CMYK	0.93, 0.00, 1.00, 0.38
HSL	116°, 100%, 31%
HSV	116°, 100%, 62%
XYZ	12.5706, 24.9227, 4.1563
YIQ	96.9210, -36.5730, -80.6130

Conversions

Conversions Part 2

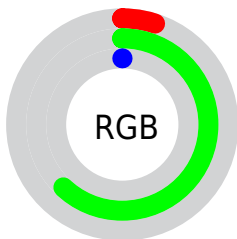
Format	Color
RYB	0, 159, 147
Decimal	827136
CIELab	57.00, -59.91, 58.52
CIELCh	57, 83.748, 135.671
Yxy	24.9227, 0.3018, 0.5984
Android (android.graphics.Color)	4279017216 (0xFF0C9F00)
YUV	96.9210, -47.7821, -74.4757
Hunter-Lab	49.9226, -42.4180, 30.0097

Details

The CIELCh color **57, 83.748, 135.671** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **36, 81.533, 325.499**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **77, 83.832, 135.679**, and **38, 62.800, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **57, 83.796, 135.663**, and if you desaturate by 10%, it is **57, 80.860, 135.965**.

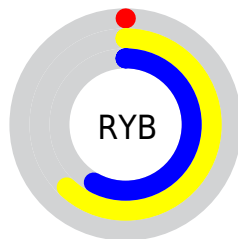
Distribution



Red (5%)

Green (62%)

Blue (0%)



Red (0%)

Yellow (62%)

Blue (58%)

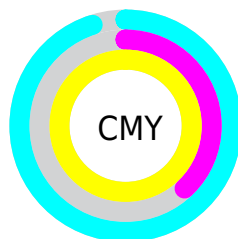


Cyan (93%)

Magenta (0%)

Yellow (100%)

Black (38%)



Cyan (95%)


Magenta (38%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 57, 83.748, 135.671 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, 83.748, 135.671 by changing the saturation by 10% instead.


 57, 83.748,
135.671


 57, 83.748,
135.671


 100, 83.748,
135.671


 47, 83.748,
135.671


 77, 83.748,
135.671

 37, 83.748,
135.671

 87, 83.748,
135.671

 27, 83.748,
135.671

 97, 83.748,
135.671

 17, 83.748,
135.671

 7, 83.748, 135.671

 0, 83.748, 135.671

■ 57, 83.748,
135.671

■ 57, 83.748,
135.671

■ 57, 83.796,
135.663

■ 57, 80.860,
135.965

■ 57, 76.167,
136.452

■ 58, 69.543,
137.207

■ 59, 61.395,
138.101

■ 59, 52.145,
139.023

■ 60, 42.158,
139.903

■ 61, 31.727,
140.702

■ 63, 21.081,

141.410

■ 64, 10.394,
142.031

Harmonies

Complementary

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



57, 83.748, 135.671



36, 81.533, 325.499

Rectangle

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



57, 83.748, 135.671



57, 83.748, 185.671



57, 83.748, 315.671



57, 83.748, 5.671

Sweetspot

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



57, 83.747, 135.672



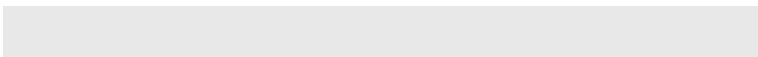
78, 39.474, 140.645



60, 64.195, 97.309



41, 27.106, 140.335



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, 83.747, 135.672



73, 101.811, 135.750



57, 67.383, 145.642



33, 5.956, 142.065



51, 77.355, 135.616



3, 7.774, 142.629

Inverse Universe

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



36, 81.533, 325.499



47, 99.008, 325.446



34, 61.101, 353.884



31, 5.972, 322.960



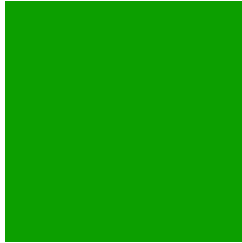
32, 75.351, 325.522



1, 7.729, 322.091

Previews

White Background



This preview shows how the CIELCh color 57, 83.748, 135.671 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, 83.748, 135.671 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

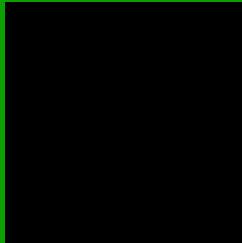
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 57, 83.748, 135.671

Background



This preview shows how black text looks on a background with the CIELCh color 57, 83.748, 135.671.



This preview shows how white text looks on a background with the CIELCh color 57, 83.748, 135.671.

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, 83.709, 135.637

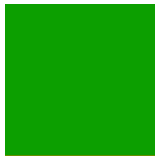
Protanopia
56, 61.313, 95.275

Deuteranopia
57, 53.995, 82.168



Tritanopia
57, 25.103, 213.314

Trichromacy



Original Color
57, 83.709, 135.637



Protanomaly
55, 66.500, 119.192



Deuteranomaly
54, 59.389, 115.256



Tritanomaly
56, 45.474, 156.882

Monochromacy



Original Color
57, 83.709, 135.637



Achromatopsia
41, 0.006, 296.813



Achromatomaly
46, 40.336, 139.310

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 83.748, 135.671 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(12, 159, 0)` looks like.

```
.text, #text, p{  
    color:rgb(12, 159, 0)  
}
```

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(12, 159, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 159, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 83.748, 135.671 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(12, 159, 0) }
```

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

```
.border{ border-color:rgb(12, 159, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 159, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 159, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 159, 0);  
box-shadow:4px 4px 4px 4px rgb(12, 159, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 57, 83.748, 135.671 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 159, 0) }
```

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

```
.background{ background-color: rgb(12, 159,  
0) }
```

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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