

Converting Colors

CIELCh(57, 84.433, 135.708)

Have a look what the booklet for
CIELCh(57, 84.433, 135.708)
contains.

CIELCh(57, 83.964, 135.860)	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, 83.964, 135.860)

Conversions

Conversions Part 1

Format	Color
Hex	069F01
RGB	6, 159, 1
RGB Percent	2%, 62%, 0%
CMY	0.9765, 0.3755, 0.9980
CMYK	0.96, 0.00, 1.00, 0.38
HSL	118°, 99%, 31%
HSV	118°, 100%, 62%
XYZ	12.5192, 24.9227, 4.1651
YIQ	95.2410, -40.4700, -81.5740

Conversions

Conversions Part 2

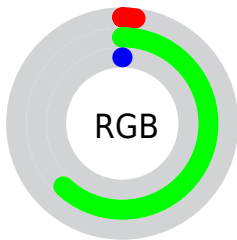
Format	Color
RYB	1, 159, 154
Decimal	433921
CIELab	57.00, -60.26, 58.47
CIELCh	57, 83.964, 135.860
Yxy	24.9227, 0.3009, 0.5990
Android (android.graphics.Color)	4278624001 (0xFF069F01)
YUV	95.2410, -46.4608, -78.2644
Hunter-Lab	49.9226, -42.6018, 29.9992

Details

The CIELCh color **57, 83.964, 135.860** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **37, 81.344, 326.891**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **77, 83.645, 135.967**, and **38, 62.800, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **57, 84.046, 135.845**, and if you desaturate by 10%, it is **57, 81.196, 136.280**.

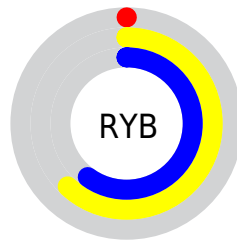
Distribution



Red (2%)

Green (62%)

Blue (0%)



Red (0%)

Yellow (62%)

Blue (60%)

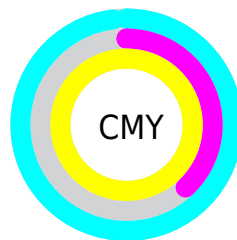


Cyan (96%)

Magenta (0%)

Yellow (100%)

Black (38%)



Cyan (98%)


Magenta (38%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 57, 83.964, 135.860 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, 83.964, 135.860 by changing the saturation by 10% instead.

 57, 83.964,
135.860


 57, 83.964,
135.860

 100, 83.964,
135.860

 47, 83.964,
135.860

 77, 83.964,
135.860

 37, 83.964,
135.860

 87, 83.964,
135.860

 27, 83.964,
135.860

 97, 83.964,
135.860

 17, 83.964,
135.860

 7, 83.964, 135.860

 0, 83.964, 135.860

■ 57, 83.964,
135.860

■ 57, 83.964,
135.860

■ 57, 84.046,
135.845

■ 57, 81.196,
136.280

■ 57, 76.597,
136.908

■ 58, 70.026,
137.790

■ 58, 61.882,
138.793

■ 59, 52.588,
139.803

■ 60, 42.517,
140.752

■ 61, 31.974,
141.606

■ 63, 21.199,

142.355

■ 64, 10.379,
143.008

Harmonies

Complementary

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



57, 83.964, 135.860



37, 81.344, 326.891

Rectangle

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



57, 83.964, 135.860



57, 83.964, 185.860



57, 83.964, 315.860



57, 83.964, 5.860

Sweetspot

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



57, 83.963, 135.861



78, 39.936, 141.534



61, 65.675, 99.640



41, 27.419, 141.204



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, 83.963, 135.861



73, 102.010, 135.892



57, 65.305, 147.111



33, 6.026, 143.035



51, 77.573, 135.821



3, 7.860, 143.570

Inverse Universe

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



37, 81.344, 326.891



48, 98.757, 326.865



34, 60.370, 356.777



31, 6.039, 323.973



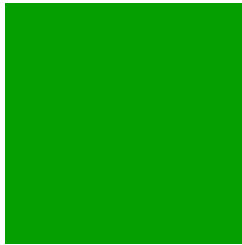
33, 75.168, 326.903



1, 7.836, 323.297

Previews

White Background



This preview shows how the CIELCh color 57, 83.964, 135.860 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 CIE LCh color 57, 83.964, 135.860 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, 83.964, 135.860

Background



This preview shows how black text looks on a background with the CIELCh color 57, 83.964, 135.860.



This preview shows how white text looks on a background with the CIELCh color 57, 83.964, 135.860.

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, 83.802, 135.890

Protanopia

56, 61.313, 95.275

Deuteranopia

57, 53.995, 82.168



Tritanopia
57, 25.103, 213.314

Trichromacy



Original Color
57, 83.802, 135.890



Protanomaly
55, 66.772, 119.858



Deuteranomaly
54, 59.603, 116.072



Tritanomaly
56, 45.765, 157.134

Monochromacy



Original Color
57, 83.802, 135.890



Achromatopsia
40, 0.006, 296.813



Achromatomaly
45, 40.162, 140.055

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 83.964, 135.860 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(6, 159, 1)` looks like.

```
.text, #text, p{  
    color:rgb(6, 159, 1)  
}
```

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(6, 159, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 159, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 83.964, 135.860 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(6, 159, 1) }
```

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

```
.border{ border-color:rgb(6, 159, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(6, 159, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 159, 1); -webkit-box-shadow:4px  
4px 4px 4px rgb(6, 159, 1); box-shadow:4px  
4px 4px 4px rgb(6, 159, 1) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 83.964, 135.860 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 159, 1) }
```

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

```
.background{ background-color: rgb(6, 159,  
1) }
```

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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