

Converting Colors

CIELCh(57, 82.701, 136.195)

Have a look what the booklet for
CIELCh(57, 82.701, 136.195)
contains.

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Color

CIELCh(57, 82.633, 136.217)

Conversions

Conversions Part 1

Format	Color
Hex	0B9F09
RGB	11, 159, 9
RGB Percent	4%, 62%, 4%
CMY	0.9555, 0.3761, 0.9639
CMYK	0.93, 0.00, 0.94, 0.38
HSL	119°, 89%, 33%
HSV	119°, 94%, 62%
XYZ	12.6076, 24.9227, 4.4103
YIQ	97.6480, -40.0580, -78.0260

Conversions

Conversions Part 2

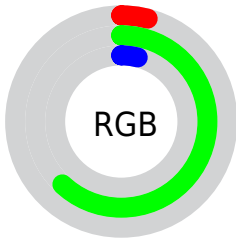
Format	Color
R_{YB}	9, 159, 157
Decimal	761609
CIE _{Lab}	57.00, -59.66, 57.18
CIE _{LCh}	57, 82.633, 136.217
Yxy	24.9227, 0.3006, 0.5942
Android (android.graphics.Color)	4278951689 (0xFF0B9F09)
YUV	97.6480, -43.7035, -75.9903
Hunter-Lab	49.9226, -42.2855, 29.7079

Details

The CIELCh color **57, 82.633, 136.217** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **38, 80.044, 327.648**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **77, 82.477, 136.285**, and **38, 62.800, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **57, 84.101, 135.945**, and if you desaturate by 10%, it is **57, 79.091, 136.775**.

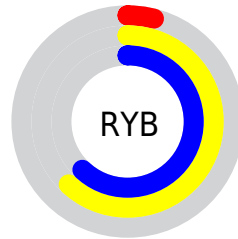
Distribution



Red (4%)

Green (62%)

Blue (4%)



Red (4%)

Yellow (62%)

Blue (62%)

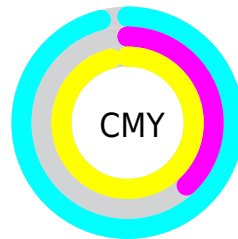


Cyan (93%)

Magenta (0%)

Yellow (94%)

Black (38%)



Cyan (96%)


Magenta (38%)


Yellow (96%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 57, 82.633, 136.217 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, 82.633, 136.217 by changing the saturation by 10% instead.


 57, 82.633,
136.217


 57, 82.633,
136.217


 100, 82.633,
136.217


 47, 82.633,
136.217


 77, 82.633,
136.217

 37, 82.633,
136.217

 87, 82.633,
136.217

 27, 82.633,
136.217

 97, 82.633,
136.217

 17, 82.633,
136.217

 7, 82.633, 136.217

 0, 82.633, 136.217

■ 57, 82.633,
136.217

■ 57, 82.633,
136.217

■ 57, 84.101,
135.945

■ 57, 79.091,
136.775

■ 58, 73.437,
137.634

■ 58, 65.991,
138.665

■ 59, 57.178,
139.739

■ 60, 47.400,
140.768

■ 61, 36.997,
141.703

■ 62, 26.247,
142.527

■ 63, 15.365,

143.243

■ 65, 4.517, 143.883

Harmonies

Complementary

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



57, 82.633, 136.217



38, 80.044, 327.648

Rectangle

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



57, 82.633, 136.217



57, 82.633, 186.217



57, 82.633, 316.217



57, 82.633, 6.217

Sweetspot

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



57, 82.633, 136.218



78, 37.535, 142.184



63, 66.053, 101.985



41, 26.086, 141.841



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, 82.633, 136.218



73, 102.113, 135.965



58, 60.999, 149.813



33, 6.066, 143.564



51, 77.695, 135.935



3, 7.908, 144.084

Inverse Universe

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



38, 80.044, 327.648



49, 98.652, 327.665



35, 59.044, 357.889



31, 6.077, 324.528



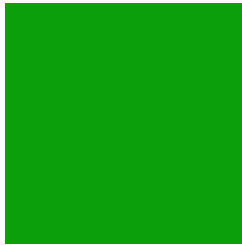
33, 75.091, 327.680



1, 7.899, 323.967

Previews

White Background



This preview shows how the CIELCh color 57, 82.633, 136.217 looks on a white background.

Color Contrast Check

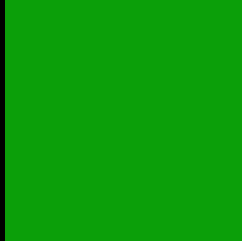
Large Text (above 18pt) WCAG AA ✓ Pass

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, 82.633, 136.217 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

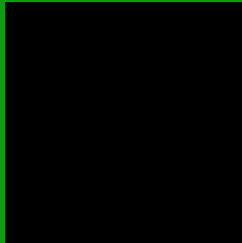
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 57, 82.633, 136.217

Background



This preview shows how black text looks on a background with the CIELCh color 57, 82.633, 136.217.



This preview shows how white text looks on a background with the CIELCh color 57, 82.633, 136.217.

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, 82.633, 136.217

Protanopia

56, 61.313, 95.275

Deuteranopia

57, 53.995, 82.168



Tritanopia
57, 25.103, 213.314

Trichromacy



Original Color
57, 82.633, 136.217



Protanomaly
55, 66.166, 119.689



Deuteranomaly
54, 58.305, 115.585



Tritanomaly
56, 44.264, 158.446

Monochromacy



Original Color
57, 82.633, 136.217



Achromatopsia
42, 0.006, 296.813



Achromatomaly
46, 38.484, 141.105

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 82.633, 136.217 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(11, 159, 9)` looks like.

```
.text, #text, p{  
    color:rgb(11, 159, 9)  
}
```

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(11, 159, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(11, 159, 9) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 82.633, 136.217 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(11, 159, 9) }
```

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

```
.border{ border-color:rgb(11, 159, 9) }
```

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

Here you see how a box with a 4 pixel rgb(11, 159, 9) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(11, 159, 9); -webkit-box-  
shadow:4px 4px 4px 4px rgb(11, 159, 9);  
box-shadow:4px 4px 4px 4px rgb(11, 159, 9)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 57, 82.633, 136.217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(11, 159, 9) }
```

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

```
.background{ background-color: rgb(11, 159,  
9) }
```

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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