

Converting Colors

CIELCh(57, 80.548, 136.905)

Have a look what the booklet for
CIELCh(57, 80.548, 136.905)
contains.

CIELCh(57, 80.574, 136.950)	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, 80.574, 136.950)

Conversions

Conversions Part 1

Format	Color
Hex	109F15
RGB	16, 159, 21
RGB Percent	6%, 62%, 8%
CMY	0.9384, 0.3769, 0.9182
CMYK	0.90, 0.00, 0.87, 0.38
HSL	122°, 82%, 34%
HSV	122°, 90%, 62%
XYZ	12.7234, 24.9227, 4.8424
YIQ	100.5110, -40.9300, -73.2340

Conversions

Conversions Part 2

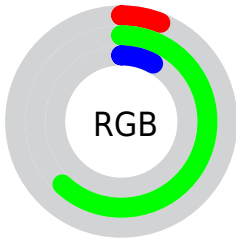
Format	Color
R_{YB}	16, 154, 159
Decimal	1089301
CIE _{Lab}	57.00, -58.88, 55.00
CIE _{LCh}	57, 80.574, 136.950
Yxy	24.9227, 0.2995, 0.5866
Android (android.graphics.Color)	4279279381 (0xFF109F15)
YUV	100.5110, -39.1989, -74.1161
Hunter-Lab	49.9226, -41.8716, 29.1948

Details

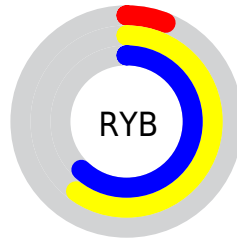
The CIELCh color **57, 80.574, 136.950** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **38, 76.939, 329.492**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **77, 80.578, 136.947**, and **38, 62.800, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **57, 83.393, 136.366**, and if you desaturate by 10%, it is **57, 75.870, 137.902**.

Distribution



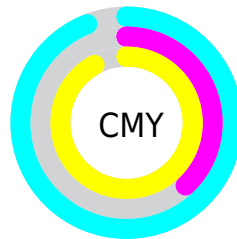
- Red (6%)
- Green (62%)
- Blue (8%)



- Red (6%)
- Yellow (60%)
- Blue (62%)



- Cyan (90%)
- Magenta (0%)
- Yellow (87%)
- Black (38%)





- Cyan (94%)
- Magenta (38%)
- Yellow (92%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 57, 80.574, 136.950 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, 80.574, 136.950 by changing the saturation by 10% instead.


 57, 80.574,
136.950


 57, 80.574,
136.950


 100, 80.574,
136.950


 47, 80.574,
136.950


 77, 80.574,
136.950

 37, 80.574,
136.950

 87, 80.574,
136.950

 27, 80.574,
136.950

 97, 80.574,
136.950

 17, 80.574,
136.950

 7, 80.574, 136.950

 0, 80.574, 136.950

■ 57, 80.574,
136.950

■ 57, 80.574,
136.950

■ 57, 83.393,
136.366

■ 57, 75.870,
137.902

■ 58, 69.336,
139.036

■ 58, 61.324,
140.225

■ 59, 52.207,
141.370

■ 60, 42.322,
142.417

■ 61, 31.959,
143.343

■ 62, 21.353,
144.148

■ 64, 10.693,

144.846

■ 65, 0.118, 147.323

Harmonies

Complementary

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



57, 80.574, 136.950



38, 76.939, 329.492

Rectangle

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



57, 80.574, 136.950



57, 80.574, 186.950



57, 80.574, 316.950



57, 80.574, 6.950

Sweetspot

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



57, 80.574, 136.951



78, 35.491, 143.564



63, 65.865, 104.974



41, 24.088, 143.292



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, 80.574, 136.951



73, 101.555, 136.270



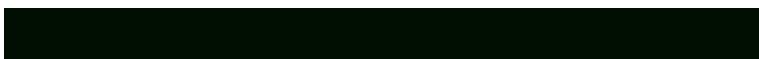
58, 56.362, 153.282



33, 5.947, 144.903



51, 77.033, 136.413



3, 7.760, 145.368

Inverse Universe

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



38, 76.939, 329.492



49, 95.827, 329.730



35, 57.644, 0.727



31, 5.957, 325.898



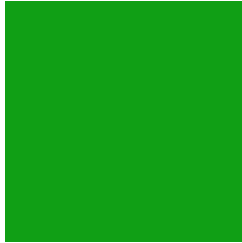
33, 72.999, 329.687



1, 7.706, 325.652

Previews

White Background



This preview shows how the CIELCh color 57, 80.574, 136.950 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, 80.574, 136.950 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, 80.574, 136.950

Background



This preview shows how black text looks on a background with the CIELCh color 57, 80.574, 136.950.



This preview shows how white text looks on a background with the CIELCh color 57, 80.574, 136.950.

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, 80.574, 136.950

Protanopia

56, 59.134, 95.261

Deuteranopia

56, 52.323, 82.238



Tritanopia
57, 24.904, 213.461

Trichromacy



Original Color
57, 80.574, 136.950



Protanomaly
55, 63.788, 119.745



Deuteranomaly
54, 56.352, 115.732



Tritanomaly
56, 42.371, 160.406

Monochromacy



Original Color
57, 80.574, 136.950



Achromatopsia
42, 0.006, 296.813



Achromatomaly
46, 36.152, 142.302

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 80.574, 136.950 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(16, 159, 21)` looks like.

```
.text, #text, p{  
    color:rgb(16, 159, 21)  
}
```

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(16, 159, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 159, 21) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 80.574, 136.950 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(16, 159, 21) }
```

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

```
.border{ border-color:rgb(16, 159, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(16, 159, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 159, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 159, 21);  
box-shadow:4px 4px 4px 4px rgb(16, 159,  
21) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 80.574, 136.950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 159, 21) }
```

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

```
.background{ background-color: rgb(16, 159,  
21) }
```

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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