

Converting Colors

CIELCh(57, 80.960, 136.362)

Have a look what the booklet for
CIELCh(57, 80.960, 136.362)
contains.

CIELCh(57, 81.020, 136.346)	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, 81.020, 136.346)

Conversions

Conversions Part 1

Format	Color
Hex	159F11
RGB	21, 159, 17
RGB Percent	8%, 62%, 7%
CMY	0.9195, 0.3772, 0.9346
CMYK	0.87, 0.00, 0.89, 0.38
HSL	118°, 81%, 34%
HSV	118°, 89%, 62%
XYZ	12.7623, 24.9227, 4.6551
YIQ	101.5500, -36.6660, -73.4180

Conversions

Conversions Part 2

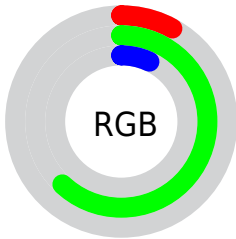
Format	Color
R_{YB}	17, 159, 155
Decimal	1416977
CIE _{Lab}	57.00, -58.62, 55.93
CIE _{LCh}	57, 81.020, 136.346
Yxy	24.9227, 0.3014, 0.5886
Android (android.graphics.Color)	4279607057 (0xFF159F11)
YUV	101.5500, -41.6831, -70.6423
Hunter-Lab	49.9226, -41.7326, 29.4172

Details

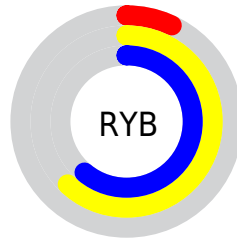
The CIELCh color **57, 81.020, 136.346** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **38, 78.792, 327.163**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **77, 80.979, 136.326**, and **38, 62.800, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **57, 83.785, 135.907**, and if you desaturate by 10%, it is **57, 76.415, 137.011**.

Distribution



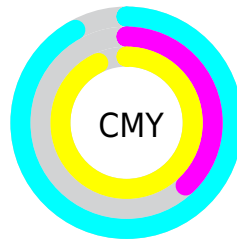
- Red (8%)
- Green (62%)
- Blue (7%)



- Red (7%)
- Yellow (62%)
- Blue (61%)



- Cyan (87%)
- Magenta (0%)
- Yellow (89%)
- Black (38%)





- Cyan (92%)
- Magenta (38%)
- Yellow (93%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 57, 81.020, 136.346 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, 81.020, 136.346 by changing the saturation by 10% instead.


 57, 81.020,
136.346


 57, 81.020,
136.346


 100, 81.020,
136.346


 47, 81.020,
136.346


 77, 81.020,
136.346

 37, 81.020,
136.346

 87, 81.020,
136.346

 27, 81.020,
136.346

 97, 81.020,
136.346

 17, 81.020,
136.346

 7, 81.020, 136.346

 0, 81.020, 136.346

■ 57, 81.020,
136.346

■ 57, 81.020,
136.346

■ 57, 83.785,
135.907

■ 57, 76.415,
137.011

■ 57, 83.915,
135.882

■ 58, 69.841,
137.923

■ 58, 61.696,
138.949

■ 59, 52.400,
139.978

■ 60, 42.326,
140.940

■ 61, 31.780,
141.803

■ 62, 21.002,
142.559

■ 64, 10.180,

143.218

■ 66, 0.549, 323.363

Harmonies

Complementary

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



57, 81.020, 136.346



38, 78.792, 327.163

Rectangle

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



57, 81.020, 136.346



57, 81.020, 186.346



57, 81.020, 316.346



57, 81.020, 6.346

Sweetspot

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



57, 81.020, 136.347



78, 36.054, 141.961



62, 64.048, 101.156



41, 24.470, 141.704



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, 81.020, 136.347



73, 102.049, 135.919



58, 59.950, 150.028



33, 6.041, 143.233



51, 77.618, 135.864



3, 7.878, 143.763

Inverse Universe

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



38, 78.792, 327.163



48, 98.715, 327.163



35, 58.591, 354.930



31, 6.053, 324.181



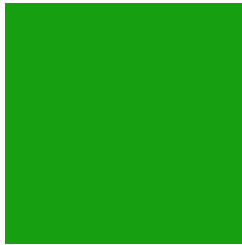
33, 75.137, 327.192



1, 7.859, 323.547

Previews

White Background



This preview shows how the CIELCh color 57, 81.020, 136.346 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, 81.020, 136.346 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

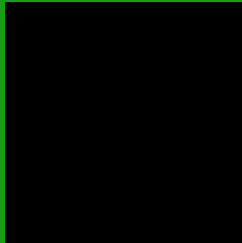
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 57, 81.020, 136.346

Background



This preview shows how black text looks on a background with the CIELCh color 57, 81.020, 136.346.



This preview shows how white text looks on a background with the CIELCh color 57, 81.020, 136.346.

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, 81.020, 136.346

Protanopia

56, 60.473, 95.271

Deuteranopia

57, 52.904, 81.875



Tritanopia
57, 24.702, 213.612

Trichromacy



Original Color
57, 81.020, 136.346



Protanomaly
55, 64.715, 118.631



Deuteranomaly
55, 56.798, 114.670



Tritanomaly
56, 42.447, 159.567

Monochromacy



Original Color
57, 81.020, 136.346



Achromatopsia
43, 0.006, 296.813



Achromatomaly
47, 36.616, 140.488

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 81.020, 136.346 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(21, 159, 17)` looks like.

```
.text, #text, p{  
    color:rgb(21, 159, 17)  
}
```

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(21, 159, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 159, 17) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 81.020, 136.346 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(21, 159, 17) }
```

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

```
.border{ border-color:rgb(21, 159, 17) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 159, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 159, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 159, 17);  
box-shadow:4px 4px 4px 4px rgb(21, 159,  
17) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 81.020, 136.346 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 159, 17) }
```

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

```
.background{ background-color: rgb(21, 159,  
17) }
```

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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