

Converting Colors

CIELCh(57, 67.509, 148.644)

Have a look what the booklet for
CIELCh(57, 67.509, 148.644)
contains.

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Color

CIELCh(57, 65.571, 146.896)

Conversions

Conversions Part 1

Format	Color
Hex	009E46
RGB	0, 158, 70
RGB Percent	0%, 62%, 27%
CMY	1.0000, 0.3799, 0.7246
CMYK	1.00, 0.00, 0.56, 0.38
HSL	147°, 100%, 31%
HSV	147°, 100%, 62%
XYZ	13.3224, 24.9227, 9.9384
YIQ	100.7260, -65.9200, -60.8640

Conversions

Conversions Part 2

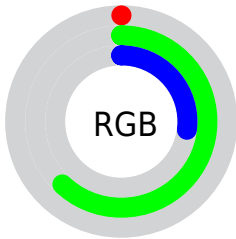
Format	Color
RYB	0, 109, 158
Decimal	40518
CIELab	57.00, -54.93, 35.81
CIELCh	57, 65.571, 146.896
Yxy	24.9227, 0.2765, 0.5172
Android (android.graphics.Color)	4278230598 (0xFF009E46)
YUV	100.7260, -15.1479, -88.3367
Hunter-Lab	49.9226, -39.7298, 23.1426

Details

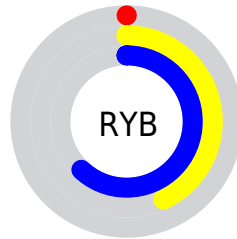
The CIELCh color **57, 65.571, 146.896** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **34, 60.220, 356.323**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **77, 65.402, 146.933**, and **38, 57.384, 139.503** is the 20% darker color. If you saturate the color by 10%, you get **57, 65.447, 146.796**, and if you desaturate by 10%, it is **57, 61.272, 148.878**.

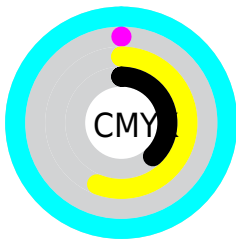
Distribution



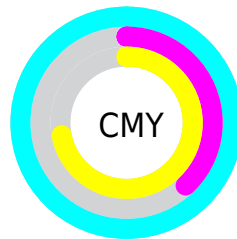
- Red (0%)
- Green (62%)
- Blue (27%)



- Red (0%)
- Yellow (43%)
- Blue (62%)



- Cyan (100%)
- Magenta (0%)
- Yellow (56%)
- Black (38%)





- Cyan (100%)
- Magenta (38%)
- Yellow (72%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 57, 65.571, 146.896 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, 65.571, 146.896 by changing the saturation by 10% instead.


 57, 65.571,
146.896


 57, 65.571,
146.896

 100, 65.571,
146.896


 47, 65.571,
146.896


 77, 65.571,
146.896

 37, 65.571,
146.896

 87, 65.571,
146.896

 27, 65.571,
146.896

 97, 65.571,
146.896

 17, 65.571,
146.896

 7, 65.571, 146.896

 0, 65.571, 146.896

■ 57, 65.571,
146.896

■ 57, 65.571,
146.896

■ 57, 65.447,
146.796

■ 57, 61.272,
148.878

■ 58, 56.511,
150.894

■ 58, 51.032,
152.716

■ 59, 44.878,
154.337

■ 59, 38.141,
155.767

■ 60, 30.940,
157.025

■ 61, 23.405,
158.136

■ 62, 15.663,

159.122

■ 64, 7.828, 160.014

Harmonies

Complementary

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



57, 65.571, 146.896



34, 60.220, 356.323

Rectangle

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



57, 65.571, 146.896



57, 65.571, 196.896



57, 65.571, 326.896



57, 65.571, 16.896

Sweetspot

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



57, 65.447, 146.796



78, 29.082, 158.074



59, 74.548, 125.469



41, 19.941, 157.647



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, 65.447, 146.796



73, 80.613, 146.321



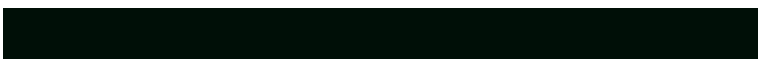
59, 37.133, 186.793



33, 4.425, 160.079



52, 60.463, 147.011



3, 5.885, 159.640

Inverse Universe

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



34, 60.220, 356.323



45, 73.219, 357.097



32, 70.281, 36.915



31, 4.468, 341.425



30, 55.964, 355.980



1, 5.673, 342.206

Previews

White Background



This preview shows how the CIELCh color 57, 65.571, 146.896 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, 65.571, 146.896 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, 65.571, 146.896

Background



This preview shows how black text looks on a background with the CIELCh color 57, 65.571, 146.896.



This preview shows how white text looks on a background with the CIELCh color 57, 65.571, 146.896.

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, 65.466, 146.753

Protanopia

57, 40.762, 95.528

Deuteranopia

57, 34.037, 77.564



Tritanopia
57, 26.269, 212.484

Trichromacy



Original Color
57, 65.466, 146.753



Protanomaly
55, 47.351, 130.522



Deuteranomaly
54, 39.000, 127.783



Tritanomaly
57, 36.973, 174.192

Monochromacy



Original Color
57, 65.466, 146.753



Achromatopsia
43, 0.006, 296.813



Achromatomaly
47, 29.390, 156.436

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 65.571, 146.896 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(0, 158, 70)` looks like.

```
.text, #text, p{  
    color:rgb(0, 158, 70)  
}
```

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(0, 158, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 158, 70) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 65.571, 146.896 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(0, 158, 70) }
```

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

```
.border{ border-color:rgb(0, 158, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 158, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 158, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 158, 70);  
box-shadow:4px 4px 4px 4px rgb(0, 158, 70)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 57, 65.571, 146.896 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 158, 70) }
```

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

```
.background{ background-color: rgb(0, 158,  
70) }
```

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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